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1.2 alsa-utils 1.1.0
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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)
Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you’d let me distribute them with bash-2.0. Thanks.

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

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

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

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

Chet Ramey

```
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
```

```
```
```
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```
```

1.5 bluez 5.43
1.5.1 Available under license:

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Version 2.1, February 1999

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Dnsmasq provides network infrastructure for small networks: DNS, DHCP, router advertisement and network boot. It is designed to be lightweight and have a small footprint, suitable for resource constrained routers and firewalls. It has also been widely used for tethering on smartphones and portable hotspots, and to support virtual networking in virtualisation frameworks. Supported platforms include Linux (with glibc and uclibc), Android, *BSD, and Mac OS X. Dnsmasq is included in most Linux distributions and the ports systems of FreeBSD, OpenBSD and NetBSD. Dnsmasq provides full IPv6 support.

The DNS subsystem provides a local DNS server for the network, with forwarding of all query types to upstream recursive DNS servers and caching of common record types (A, AAAA, CNAME and PTR, also DNSKEY and DS when DNSSEC is enabled).

<DIR>
<LI>Local DNS names can be defined by reading /etc/hosts, by importing names from the DHCP subsystem, or by configuration of a wide range of useful record types.</LI>
<LI>Upstream servers can be configured in a variety of convenient ways, including dynamic configuration as these change on moving upstream network.
Authoritative DNS mode allows local DNS names may be exported to zone in the global DNS. Dnsmasq acts as authoritative server for this zone, and also provides zone transfer to secondaries for the zone, if required.

DNSSEC validation may be performed on DNS replies from upstream nameservers, providing security against spoofing and cache poisoning.

Specified sub-domains can be directed to their own upstream DNS servers, making VPN configuration easy.

Internationalised domain names are supported.

The DHCP subsystem supports DHCPv4, DHCPv6, BOOTP and PXE.

Both static and dynamic DHCP leases are supported, along with stateless mode in DHCPv6.

The PXE system is a full PXE server, supporting netboot menus and multiple architecture support. It includes proxy-mode, where the PXE system co-operates with another DHCP server.

There is a built in read-only TFTP server to support netboot.

Machines which are configured by DHCP have their names automatically included in the DNS and the names can specified by each machine or centrally by associating a name with a MAC address or UID in the dnsmasq configuration file.

The Router Advertisement subsystem provides basic autoconfiguration for IPv6 hosts. It can be used stand-alone or in conjunction with DHCPv6.

The M and O bits are configurable, to control hosts’ use of DHCPv6.

Router advertisements can include the RDNSS option.

There is a mode which uses name information from DHCPv4 configuration to provide DNS entries for autoconfigured IPv6 addresses which would otherwise be anonymous.

For extra compactness, unused features may be omitted at compile time.

Get code.

Download dnsmasq here. The tarball includes this documentation, source, and manpage.

There is also a CHANGELOG and a FAQ.

Dnsmasq has a git repository which contains the complete release history of version 2 and development history from 2.60. You can browse the repo, or get a copy using git protocol with the command

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<!DOCTYPE PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
<head>
<title> Dnsmasq - network services for small networks. </title>
<link rel="icon" href="http://www.thekelleys.org.uk/dnsmasq/images/favicon.ico">
</head>
<body bgcolor="WHITE">
<table width="100%" border="0" cellpadding="0" cellspacing="0">
...
Dnsmasq provides network infrastructure for small networks: DNS, DHCP, router advertisement and network boot. It is designed to be lightweight and have a small footprint, suitable for resource constrained routers and firewalls. It has also been widely used for tethering on smartphones and portable hotspots, and to support virtual networking in virtualisation frameworks. Supported platforms include Linux (with glibc and uclibc), Android, *BSD, and Mac OS X. Dnsmasq is included in most Linux distributions and the ports systems of FreeBSD, OpenBSD and NetBSD. Dnsmasq provides full IPv6 support.

The DNS subsystem provides a local DNS server for the network, with forwarding of all query types to upstream recursive DNS servers and caching of common record types (A, AAAA, CNAME and PTR, also DNSKEY and DS when DNSSEC is enabled).

- Local DNS names can be defined by reading /etc/hosts, by importing names from the DHCP subsystem, or by configuration of a wide range of useful record types.
- Upstream servers can be configured in a variety of convenient ways, including dynamic configuration as these change on moving upstream network.
- Authoritative DNS mode allows local DNS names may be exported to zone in the global DNS. Dnsmasq acts as authoritative server for this zone, and also provides zone transfer to secondaries for the zone, if required.
- DNSSEC validation may be performed on DNS replies from upstream nameservers, providing security against spoofing and cache poisoning.
- Specified sub-domains can be directed to their own upstream DNS servers, making VPN configuration easy.
- Internationalised domain names are supported.

The DHCP subsystem supports DHCPv4, DHCPv6, BOOTP and PXE.

- Both static and dynamic DHCP leases are supported, along with stateless mode in DHCPv6.
- The PXE system is a full PXE server, supporting netboot menus and multiple architecture support. It includes proxy-mode, where the PXE system co-operates with another DHCP server.
- There is a built in read-only TFTP server to support netboot.
- Machines which are configured by DHCP have their names automatically included in the DNS and the names can specified by each machine or centrally by associating a name with a MAC address or UID in the dnsmasq configuration file.
The Router Advertisement subsystem provides basic autoconfiguration for IPv6 hosts. It can be used stand-alone or in conjunction with DHCPv6.

- The M and O bits are configurable, to control hosts’ use of DHCPv6.
- Router advertisements can include the RDNSS option.
- There is a mode which uses name information from DHCPv4 configuration to provide DNS entries for autoconfigured IPv6 addresses which would otherwise be anonymous.

For extra compactness, unused features may be omitted at compile time.

Get code.

Dnsmasq has a git repository which contains the complete release history of version 2 and development history from 2.60. You can browse the repo, or get a copy using git protocol with the command:

```
$$ git clone git://thekelleys.org.uk/dnsmasq.git
```

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Dnsmasq is distributed under the GPL, version 2 or version 3 at your discretion. See the files COPYING and COPYING-v3 in the distribution for details.

Contact.

There is a dnsmasq mailing list at

http://lists.thekelleys.org.uk/mailman/listinfo/dnsmasq-discuss

which should be the first location for queries, bugreports, suggestions etc. The list is mirrored, with a search facility, at

https://www.mail-archive.com/dnsmasq-discuss@lists.thekelleys.org.uk/

You can contact me at

simon@thekelleys.org.uk

Donations.

Dnsmasq is mainly written and maintained by Simon Kelley. For most of its life, dnsmasq has been a spare-time project. These days I'm working on it as my main activity. I don't have an employer or anyone who pays me regularly to work on dnsmasq. If you'd like to make a contribution towards my expenses, please use the donation button below.

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*/

1.16 e2fsprogs 1.42.13 :1ubuntu1

1.16.1 Available under license:

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

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

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version
 -
 - trivial database library - private includes
 -
 - Copyright (C) Andrew Tridgell 2005
 + Copyright (C) Andrew Tridgell 1999-2005
 + Copyright (C) Jeremy Allison 2000-2006
 + Copyright (C) Paul 'Rusty' Russell 2000

 ** NOTE! The following LGPL license applies to the tdb
 ** library. This does NOT imply that all of Samba is released
 #
 # This is a Makefile stub which handles the creation of BSD shared
 # libraries.
 #
 # In order to use this stub, the following makefile variables must be defined.
 #
 # BSDLIB_VERSION = 1.0
 # BSDLIB_IMAGE = libce
 # BSDLIB_MYDIR = et
 # BSDLIB_INSTALL_DIR = $SHLIBDIR
 #

 all:: image

 real-subdirs:: Makefile
 @echo "MKDIR pic"
 @mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Gadi Oxman, August 1995

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

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Theodore Ts'o
23-June-2007

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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
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permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
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That's all there is to it!

1.17 elfutils 0.164 :2.el6

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1.18 ethtool 4.8

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Ty Coon, President of Vice

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1.19 eventlog 0.2.13

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Tue May 24 20:33:23 CEST 2005

The original source can always be found at:
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Upstream Author: Scheidler Balazs <bazsi@balabit.hu>

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1.20 expat 2.2.0

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1.21 fmt 3.0.0

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

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

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

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

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1.22 gdb 7.7.1 :2013-12-19 Keven Boell

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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!
eval '(exit $?0)' & & eval 'exec perl -wS -O777 -pi "$0" $[1+"$@"]'
 & eval 'exec perl -wS -O777 -pi "$0" $argv:q'
 if 0;
# Update an FSF copyright year list to include the current year.

my $VERSION = '2012-02-05.21:39'; # UTC

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# Written by Jim Meyering and Joel E. Denny

# The arguments to this script should be names of files that contain
# copyright statements to be updated. The copyright holder's name
# defaults to "Free Software Foundation, Inc." but may be changed to
# any other name by using the "UPDATE_COPYRIGHT_HOLDER" environment
# variable.
#
# For example, you might wish to use the update-copyright target rule
# in maint.mk from gnulib's maintainer-makefile module.
#
# If a copyright statement is recognized in a file and the final
# year is not the current year, then the statement is updated for the
# new year and it is reformatted to:
#
# 1. Fit within 72 columns.
# 2. Convert 2-digit years to 4-digit years by prepending "19".
# 3. Expand copyright year intervals. (See "Environment variables"
#    below.)
#
# A warning is printed for every file for which no copyright
# statement is recognized.
#
# Each file's copyright statement must be formatted correctly in
# order to be recognized. For example, each of these is fine:
#
# Copyright @copyright{} 1990-2005, 2007-2009 Free Software
# Foundation, Inc.
#
# Copyright (C) 1990-2005, 2007-2009 Free Software
# Foundation, Inc.
#
# /*
# * Copyright &copy; 90,2005,2007-2009
# * Free Software Foundation, Inc.
# */
#
# However, the following format is not recognized because the line
# prefix changes after the first line:
#
# ## Copyright (C) 1990-2005, 2007-2009 Free Software
# # Foundation, Inc.
#
# However, any correctly formatted copyright statement following
# a non-matching copyright statements would be recognized.
#
# The exact conditions that a file's copyright statement must meet
# to be recognized are:
#
# 1. It is the first copyright statement that meets all of the
#    following conditions. Subsequent copyright statements are
#    ignored.
# 2. Its format is "Copyright (C)", then a list of copyright years,
# and then the name of the copyright holder.
# 3. The "(C)" takes one of the following forms or is omitted
# entirely:
#
#     A. (C)
#     B. (c)
#     C. @copyright{}
#     D. ©
#
# 4. The "Copyright" appears at the beginning of a line, except that it
# may be prefixed by any sequence (e.g., a comment) of no more than
# 5 characters -- including white space.
# 5. If the prefix is present, the same prefix appears at the
# beginning of each remaining line within the FSF copyright
# statement. There is one exception in order to support C-style
# comments: if the first line's prefix contains nothing but
# whitespace surrounding a "/*", then the prefix for all subsequent
# lines is the same as the first line's prefix except with each of
# "/" and possibly "*" replaced by a " ". The replacement of "*"
# by " " is consistent throughout all subsequent lines.
# 6. Blank lines, even if preceded by the prefix, do not appear
# within the FSF copyright statement.
# 7. Each copyright year is 2 or 4 digits, and years are separated by
# commas or dashes. Whitespace may appear after commas.
#
# Environment variables:
#
# 1. If UPDATE_COPYRIGHT_FORCE=1, a recognized FSF copyright statement
# is reformatted even if it does not need updating for the new
# year. If unset or set to 0, only updated FSF copyright
# statements are reformatted.
# 2. If UPDATE_COPYRIGHT_USE_INTERVALS=1, every series of consecutive
# copyright years (such as 90, 1991, 1992-2007, 2008) in a
# reformatted FSF copyright statement is collapsed to a single
# interval (such as 1990-2008). If unset or set to 0, all existing
# copyright year intervals in a reformatted FSF copyright statement
# are expanded instead.
# 3. For testing purposes, you can set the assumed current year in
# UPDATE_COPYRIGHT_YEAR.
# 4. The default maximum line length for a copyright line is 72.
# Set UPDATE_COPYRIGHT_MAX_LINE_LENGTH to use a different length.
# 5. Set UPDATE_COPYRIGHT HOLDER if the copyright holder is other
# than "Free Software Foundation, Inc.".
use strict;
use warnings;

my $copyright_re = 'Copyright';
my $circle_c_re = '(?:\([Cc]\)|@copyright{}|©)';
my $holder = $ENV{UPDATE_COPYRIGHT_HOLDER};
$holder ||= 'Free Software Foundation, Inc.';
my $prefix_max = 5;
my $margin = $ENV{UPDATE_COPYRIGHT_MAX_LINE_LENGTH};
!$margin || $margin !~ m/^\d+$/
and $margin = 72;

my $tab_width = 8;

my $this_year = $ENV{UPDATE_COPYRIGHT_YEAR};
if (!$this_year || $this_year !~ m/^\d{4}$/)
{
    my ($sec, $min, $hour, $mday, $month, $year) = localtime (time ());
    $this_year = $year + 1900;
}

# Unless the file consistently uses "\n선" as the EOL, use "\n" instead.
my $eol = /(^|\[\^\n\])\n/ ? "\n" : "\r\n";

my $leading;
my $prefix;
my $ws_re;
my $stmt_re;
while (/(^|\n)(.{0,$prefix_max})$copyright_re/g)
{
    $leading = "$1$2"
    $prefix = $2;
    if ($prefix =~ /^\s*\*\s*$/)
    {
        $prefix =~ s/,/, ,; # Only whitespace.
        my $prefix_ws = $prefix;
        $prefix_ws =~ s/*/ /; # Only whitespace.
        if (\G(?:[^*/\n]*/[^*/\n]*)*$/)
        {
            $prefix = $prefix_ws;
        }
    }
    $ws_re = '[ \t\r\f\s]*'; # \s without \n
    $ws_re = "(?:$ws_re+?:$ws_re)\n" . quotemeta($prefix) . "$ws_re+");
    my $holder_re = $holder;
    $holder_re =~ s/\s/\s/$ws_re/g;
    my $stmt_remainder_re =
if (/\G\stmt_remainder_re/) {
    $stmt_re = quotemeta($leading) . "($copyright_re$stmt_remainder_re)";
    last;
}
}
if (defined $stmt_re) {
    /$stmt_re/ or die; # Should never die.
    my $stmt = $1;
    my $final_year_orig = $2;

    # Handle two-digit year numbers like "98" and "99".
    my $final_year = $final_year_orig;
    $final_year <= 99
    and $final_year += 1900;

    if ($final_year != $this_year) {
        # Update the year.
        $stmt =~ s/$final_year_orig/$final_year, $this_year/;
    }
    if ($final_year != $this_year || $ENV{'UPDATE_COPYRIGHT_FORCE'}) {
        # Normalize all whitespace including newline-prefix sequences.
        $stmt =~ s/$ws_re/ /g;

        # Put spaces after commas.
        $stmt =~ s/, ?/, /g;

        # Convert 2-digit to 4-digit years.
        $stmt =~ s/(\d\d\b)/19$1/g;

        # Make the use of intervals consistent.
        if (!$ENV{UPDATE_COPYRIGHT_USE_INTERVALS}) {
            $stmt =~ s/(\d{4})-(\d{4})/join(', ', $1..$2)/eg;
        } else {
            $stmt =~ s/\d{4}/\d{4}/g;
        }
    } else {
        $stmt =~ s/\d{4}/\d{4}/g;
    }
}
($\land\) 
($\land?$
  if (S2 eq `-`) { \d{4}; }
  elsif (!$3)       { $1 + 1;  }
  else              { $3 + 1;  }
}),})
)+
/$1-$3/gx;

# When it's 2, emit a single range encompassing all year numbers.
$ENV{UPDATE_COPYRIGHT_USE_INTERVALS} == 2
  and $stmt =~ s/$1-$3/$1-$2/;
}

# Format within margin.
my $stmt_wrapped;
my $text_margin = $margin - length($prefix);
if ($prefix =~ /^\t+/)
{
  $text_margin -= length($1) * ($tab_width - 1);
}
while (length $stmt)
{
  if (($stmt =~ s/$1^\(\?\)?/)
      || ($stmt =~ s/^\[\S\]+$/))
  {
    my $line = $1;
    $stmt_wrapped .= $stmt_wrapped ? "$eol$prefix" : $leading;
    $stmt_wrapped .= $line;
  }
  else
  {
    # Should be unreachable, but we don't want an infinite
    # loop if it can be reached.
    die;
  }
}

# Replace the old copyright statement.
s/$stmt_re/$stmt_wrapped/;
}
}
else
{
  print STDERR "$ARGV: warning: copyright statement not found\n";
}

# Local variables:
# mode: perl
# indent-tabs-mode: nil
# eval: (add-hook 'write-file-hooks 'time-stamp)
# time-stamp-start: "my $VERSION = ""
# time-stamp-format: "%y-%02m-%02d.%02H:%02M"
# time-stamp-time-zone: "UTC"
# time-stamp-end: "; # UTC"

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
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<one line to give the library's name and a brief idea of what it does.>
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MA 02110-1301, USA
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You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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

That's all there is to it!

1.23 glib 2.46.1

1.23.1 Available under license:

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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.

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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.

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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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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.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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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.)

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least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
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from a designated place, offer equivalent access to copy the above
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For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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End

1.24 glib 2.50.1

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(For example, a function in a library to compute square roots has
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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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1.25 grpc 1.10.0

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# This file contains a list of people who've made non-trivial
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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 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
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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1.41 libelf 0.8.13

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

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

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

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

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

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
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4. You may copy and distribute the Library (or a portion or
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1.50 minicom 2.7

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1.54 ntp 4.2.8p8

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Replied: Fri, 16 Feb 2001 14:12:54 -0500
Replied: "Darren Reed <darrenr@reed.wattle.id.au> "
Received: from [139.134.6.79] by whimsy.udel.edu id aa15476;
  16 Feb 2001 04:21 EST
Received: from CPE-61-9-164-106.vic.bigpond.net.au
  ([139.134.4.52]) by mailin6.bigpond.com (Netscape Messaging
  Server 4.15) with SMTP id G8UFIB00.4QI for
  <stenn@whimsy.udel.edu>; Fri, 16 Feb 2001 19:25:23 +1000
Received: from CPE-61-9-164-110.vic.bigpond.net.au ([61.9.164.110]) by mail5.bigpond.com (Claudes-Retiring-
MailRouter V2.9c 9/11963672); 16 Feb 2001 19:20:45
Received: (from root@localhost)
  by CPE-61-9-164-106.vic.bigpond.net.au (8.11.0/8.11.0) id f1G92GC29158
  for <stenn@whimsy.udel.edu>; Fri, 16 Feb 2001 20:02:16 +1100
From: Darren Reed <darrenr@reed.wattle.id.au>
Message-Id: <200102160901.UAA23657@avalon.reed.wattle.id.au>
Subject: Re: arlib?
In-Reply-To: <901.982219274@whimsy.udel.edu> from Harlan Stenn at "Feb 15, 1 01:41:14 am"
To: Harlan Stenn <stenn@whimsy.udel.edu>
Date: Fri, 16 Feb 2001 20:01:46 +1100
X-Mailer: ELM [version 2.4ME+ PL37 (25)]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

In some email I received from Harlan Stenn, sie wrote:

> Darren,
> 
> I'm looking for an async resolver library that I can use with NTP.
> 
> I noticed your code in the contrib/ subdir of later bind8 distribution
> 
> and I noticed the Copyright notice in arlib.c:
> 
> * arlib.c (C)opyright 1993 Darren Reed. All rights reserved.
> * This file may not be distributed without the author's permission in any
> * shape or form. The author takes no responsibility for any damage or loss
> * of property which results from the use of this software.
> 
> so I thought I'd ask your permission to distribute your files if I can
> figure out how to make it all work with ntpd.
http://coombs.anu.edu.au/~avalon/arlib.tar.gz

a few bug fixes (inc. buffer overflow :) and stuff in there.

But otherwise, go for it.

Darren

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  jpg "Clone me," says Dolly sheepishly.

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2. [2] Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3] Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6] Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7] Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8] Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9] Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10] Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11] Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
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14. [15] Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16] Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
17. [18] Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19] Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
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28. [30] Frank Kardel [31] <kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32] Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote snntp to comply with NTPv4 specification, ntpq saveconfig
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34. [37] Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38] Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation
  code for Version 3 as specified in RFC-1305
  Maintenance
37. [40] David L. Mills <mills@udel.edu> Version 4 foundation,
  precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19,
  22, 36
38. [41] Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
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  monitoring/trap scripts, statistics file handling
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46. [50] Wilfredo Sanchez <wsanchez@apple.com> added support for
  NetInfo
47. [51] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
  space on the stuff in the html/pic/ subdirectory
49. [53] Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54] Michael Shields <shields@tembel.org> USNO clock driver
51. [55] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock
  driver
52. [56] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure
  makeover, various other bits (see the ChangeLog)
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57. [61] Loganade Velvindron <loganaden@gmail.com> Sandboxing
  (libseccomp) support
58. [62] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic
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59. [63] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and
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# Contributions to the OpenBLAS project

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  * Optimize BLAS3 on Intel Sandy Bridge.

* Werner Saar <wernsaar@googlemail.com>
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  * [2013-04-27] Optimize AVX and FMA4 Trsm on AMD Bulldozer
  * [2013-06-09] Optimize AVX and FMA4 Sgemm on AMD Bulldozer
  * [2013-06-11] Optimize AVX and FMA4 Zgemm on AMD Bulldozer
  * [2013-06-12] Optimize AVX and FMA4 Cgemm on AMD Bulldozer
  * [2013-06-16] Optimize dgemv_n kernel on AMD Bulldozer
  * [2013-06-20] Optimize ddot, daxpy kernel on AMD Bulldozer
  * [2013-06-21] Optimize dcopy kernel on AMD Bulldozer
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  * Optimization on AMD Piledriver
  * Optimization on Intel Haswell

## Previous Developers

* Zaheer Chothia <zaheer.chothia@gmail.com>
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  * Improve the windows build.

* Chen Shaohu <huhumartinwar@gmail.com>
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* Luo Wen
  * Intern. Test Level-2 BLAS.

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* Alexander Eberspcher <https://github.com/aeberspaecher>
  * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.

* Mike Nolta <mike@nolta.net>
  * [2012-05-19] Fix building bug on FreeBSD and NetBSD.

* Sylvester Ledru <https://github.com/sylvestre>
  * [2012-07-01] Improve the detection of sparc. Fix building bug under Hurd and kfreebsd.

* Jameson Nash <https://github.com/vtjnash>
  * [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to make on the command line.

* Alexander Nasonov <alnsn@yandex.ru>

* Sebastien Villemot <sebastien@debian.org>
  * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.
  * [2013-08-28] Avoid failure on qemu guests declaring an Athlon CPU without 3dnow!

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* Elliot Saba <staticfloat@gmail.com>
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* Sebastien Fabbro <bicatali@gentoo.org>
  * [2013-07-24] Modify makefile to respect user's LDFLAGS
  * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files
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  * [2013-08-21] Patch LAPACK XLASD4.f as discussed in JuliaLang/julia#2340

* Lars Buitinck <https://github.com/larsmans>
  * [2013-08-28] get rid of the generated cblas_noconst.h file
  * [2013-08-28] Missing threshold in gemm.c
  * [2013-08-28] fix default prefix handling in makefiles

* yieldthought <https://github.com/yieldthought>
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* Keno Fischer <https://github.com/loladiro>
  * [2013-10-23] Use FC instead of CC to link the dynamic library on OS X

* Christopher Meng <cickumqt@gmail.com>
  * [2013-12-09] Add DESTDIR support for easier building on RPM based distros.
    Use install command instead of cp to install files with permissions control.

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  * [2014-08-03] Fixed link error on Linux/musl

* Dave Nuechterlein
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    ARMv8 support.

* Jerome Robert <jeromerobert@gmx.com>
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  * [2015-12-23] `stack_check` in `gemv.c` (bug #722)
  * [2015-12-28] Allow to force the number of parallel make job
  * [2015-12-28] Fix detection of AMD E2-3200 detection
  * [2015-12-31] Let `make MAX_STACK_ALLOC=0` do what expected
  * [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)
  * [2016-01-24] Use `GEMM_MULTITHREAD_THRESHOLD` as a number of ops (bug #742)
  * [2016-01-26] Let `openblas_get_num_threads` return the number of active threads (bug #760)
  * [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

* Dan Kortschak
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* Ton van den Heuvel <https://github.com/ton>
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* Martin Koehler <https://github.com/grisuthedragon/>
  * [2015-09-07] Improved imatcopy

* Ashwin Sekhar T K <https://github.com/ashwinyes/>
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  * [2015-11-20] lapack-test fixes for Cortex-A57
  * [2016-03-14] Additional functional Assembly Kernels for Cortex-A57
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  * [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA

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   * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
   * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
   * @author Paulo Barreto <paulo.barreto@terra.com.br>
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**1.59 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 project. */
/* Modified by Attaullah Baig (abaig@paypal.com) to wrap/unwrap any size keys (Implemented RFC5649) */
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Michael Poole <mdpoole@troilus.org>
  * Fixed warnings about generated constructors not explicitly initializing
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  * Added generation of field number constants.
Wink Saville <wink@google.com>
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* Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
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* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
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* Fixed m4/acx_pthread.m4 problem for some Linux distributions.
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* Fixed detection of sched_yield on Solaris.
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1.69 Python 3.4.1

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===============

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a
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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 (deflate format) and rfc1952.txt (gzip format).

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

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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Dr. Memory: the memory debugger

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- libpostproc
- libmpcodecs
- optional x86 optimizations in the files
  libavcodec/x86/flac_dsp_gpl.asm
  libavcodec/x86/idct_mmx.c
- libutvideo encoding/decoding wrappers in
  libavcodec/libutvideo*.cpp
- the X11 grabber in libavdevice/x11grab.c
- the swresample test app in
  libswresample/swresample-test.c
- the texi2pod.pl tool
- the following filters in libavfilter:
  - f_ebur128.c
  - vf_blackframe.c
  - vf_boxblur.c
  - vf_colormatrix.c
  - vf_cropdetect.c
  - vf_decimate.c
  - vf_delogo.c
  - vf_geq.c
  - vf_histeq.c
  - vf_hqdn3d.c
  - vf_interface.c
  - vf_kerndeint.c
  - vf_mdeint.c
  - vf_mp.c
  - vf_owdenoise.c
  - vf_perspective.c
  - vf_phase.c
  - vf_pp.c
  - vf_pullup.c
  - vf_sab.c
  - vf_smartblur.c
  - vf_spp.c
  - vf_stereo3d.c
  - vf_super2xsai.c
  - vf_tinterlace.c
  - vsrct_mptestsrc.c

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There are a handful of files under other licensing terms, namely:

* The files libavcodec/jfdctfst.c, libavcodec/jfdctint_template.c and libavcodec/jrevdct.c are taken from libjpeg, see the top of the files for
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documentation accompanying your program if you only distribute executables.
You must also indicate any changes including additions and deletions to
those three files in the documentation.

external libraries
==================

FFmpeg can be combined with a number of external libraries, which sometimes
affect the licensing of binaries resulting from the combination.

compatible libraries
---------------------

The following libraries are under GPL:
- frei0r
- libcdio
- libutvideo
- libvst
- libx264
- libx265
- libxavs
- libxvid

When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as well by
passing --enable-gpl to configure.

The OpenCORE and VisualOn libraries are under the Apache License 2.0. That
license is incompatible with the LGPL v2.1 and the GPL v2, but not with
version 3 of those licenses. So to combine these libraries with FFmpeg, the
license version needs to be upgraded by passing --enable-version3 to configure.

incompatible libraries
----------------------

The Fraunhofer AAC library, FAAC and aacplus are under licenses which
are incompatible with the GPLv2 and v3. We do not know for certain if their
licenses are compatible with the LGPL.

If you wish to enable these libraries, pass --enable-nonfree to configure.
But note that if you enable any of these libraries the resulting binary will
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Version 3, 29 June 2007

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
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Unix SMB/CIFS implementation.

Samba temporary memory allocation functions

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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.4, March 14th, 2010

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

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

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

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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
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Version 3, 29 June 2007

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Agreement version 2.4

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"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession
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disclosure and the dissemination of disclosed Confidential Information
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 * Date: Fri, Jun 24, 2011 at 3:20 AM
 * Subject: Re: sqrt routine
 * To: Kevin Ma <kma@google.com>
 * Hi Kevin,
 * Thanks for asking. Those routines are public domain (originally posted to
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 * Cheers,
 * Wilco
 *
 * ----- Original Message ----- 
 * From: "Kevin Ma" <kma@google.com>
 * To: <Wilco.Dijkstra@ntlworld.com>
 * Sent: Thursday, June 23, 2011 11:44 PM
 * Subject: Fwd: sqrt routine
 * Hi Wilco,
 * I saw your sqrt routine from several web sites, including
 * http://www.finesse.demon.co.uk/steven/sqrt.html.
 * Just wonder if there's any copyright information with your Successive
 * approximation routines, or if I can freely use it for any purpose.
 * Thanks.
 * Kevin
 */
-------------------------------------------------------------------------------
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modules/audio_coding/codecs/g711/main/source/g711.h

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modules/audio_device/mac/portaudio/pa_ringbuffer.h

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/*
* $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $
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* Memory barrier utilities
*
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*
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 */

/*
 * $Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche $
 * Portable Audio I/O Library
 * Ring Buffer utility.
 *
 * Author: Phil Burk, http://www.softsynth.com
 * modified for SMP safety on Mac OS X by Bjorn Roche
 * modified for SMP safety on Linux by Leland Lucius
 * also, allowed for const where possible
 * modified for multiple-byte-sized data elements by Sven Fischer
 *
 * Note that this is safe only for a single-thread reader and a
 * single-thread writer.
 *
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Author: Sergey Berezin, Clark Barrett

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/********************************************************************
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* 
* AUTHORS: Vijay Ganesh
* 
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****************************************************************************
* PROGRAM NAME: STP (Simple Theorem Prover)
* 
* AUTHORS: Vijay Ganesh
*
* BEGIN DATE: November, 2005
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Author: Sergey Berezin, Clark Barrett

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LLVM integration tester (llvm-lit)

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Dr. Memory: the memory debugger

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

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/*
 */

/*
 * A "png_get_copyright" function is available, for convenient use in "about"
 * boxes and the like:
 * 
 *     printf("%s", png_get_copyright(NULL));
 *
 * Also, the PNG logo (in PNG format, of course) is supplied in the
 * files "pngbar.png" and "pngbar.jpg (88x31) and "pngnow.png" (98x31).
 */

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/*
 * The contributing authors would like to thank all those who helped
 * with testing, bug fixes, and patience.  This wouldn't have been
 * possible without all of you.
 *
 * Thanks to Frank J. T. Wojcik for helping with the documentation.
 */

/*
 * Y2K compliance in libpng:
 * ____________________________
 *
 * December 22, 2014
 *
 * Since the PNG Development group is an ad-hoc body, we can't make
 * an official declaration.
 *
 * This is your unofficial assurance that libpng from version 0.71 and
 * upward through 1.6.16 are Y2K compliant.  It is my belief that
 * earlier versions were also Y2K compliant.
 *
 * Libpng only has two year fields.  One is a 2-byte unsigned integer
 * that will hold years up to 65535.  The other, which is deprecated,
 * holds the date in text format, and will hold years up to 9999.
 *
 * The integer is
 *     "png_uint_16 year" in png_time_struct.
 *
 * The string is
 *     "char time_buffer[29]" in png_struct.  This is no longer used
 *     in libpng-1.6.x and will be removed from libpng-1.7.0.
 */
* There are seven time-related functions:
  * `png.c`: `png_convert_to_rfc_1123_buffer()` in `png.c`
  * (formerly `png_convert_to_rfc_1123()` prior to `libpng-1.5.x` and `png_convert_to_rfc_1152()` in error prior to `libpng-0.98`)
  * `png_convert_from_struct_tm()` in `pngwrite.c`, called in `pngwrite.c`
  * `png_convert_from_time_t()` in `pngwrite.c`
  * `png_get_tIME()` in `pngget.c`
  * `png_handle_tIME()` in `pngrutil.c`, called in `pngread.c`
  * `png_set_tIME()` in `pngset.c`
  * `png_write_tIME()` in `pngwutil.c`, called in `pngwrite.c`

* All handle dates properly in a Y2K environment. The `png_convert_from_time_t()` function calls `gmtime()` to convert from system clock time, which returns (year - 1900), which we properly convert to the full 4-digit year. There is a possibility that `libpng` applications are not passing 4-digit years into the `png_convert_to_rfc_1123_buffer()` function, or that they are incorrectly passing only a 2-digit year instead of "year - 1900" into the `png_convert_from_struct_tm()` function, but this is not under our control. The `libpng` documentation has always stated that it works with 4-digit years, and the APIs have been documented as such.

* `png_wutil.c` is also Y2K compliant. It uses a 2-byte unsigned integer to hold the year, and can hold years as large as 65535.

* `zlib`, upon which `libpng` depends, is also Y2K compliant. It contains no date-related code.

* Glenn Randers-Pehrson
  * `libpng` maintainer
  * PNG Development Group
*/

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).
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### `.makefile.*`

#### BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)

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#### Commands to generate dependency files

```
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

#### Flags for position independent code

```
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
```

#### Additional flags when building libraries and with threads

```
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =
```

#### Compiler switch to embed a runtime search path

```
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,
```

#### Compiler switch to embed a library name

```
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
```

#### Shared library options

```
LD_SOOPTIONS= -Wl,-Bsymbolic
```

### Shared object suffix

```
SO = so
```

### Non-shared intermediate object suffix

```
STATIC_O = ao
```

#### Compilation rules

```
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
```

%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@
## Bind internal references
# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic
# Dependencies [i.e. map files] for the final library
BIR_DEPS=
## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
## End BSD-specific setup
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- the X11 grabber in `libavdevice/x11grab.c`
- the swresample test app in `libswresample/swresample-test.c`
- the `texi2pod.pl` tool
- the following filters in libavfilter:
  - `f_ebur128.c`
  - `vf_blackframe.c`
  - `vf_boxblur.c`
  - `vf_colormatrix.c`
  - `vf_cover_rect.c`
- `vf_cropdetect.c`
- `vf_delogo.c`
- `vf_eq.c`
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compatible libraries
---------------------

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- libvidstab
- libx264
- libx265
- libxavs
- libxvid

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incompatible libraries
----------------------

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Floating point AAN DCT
this implementation is based upon the IJG integer AAN DCT (see jfdctfst.c)

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

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

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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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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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[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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* Added generation of field number constants.
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Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.
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* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
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* HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only
  once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
* Added CodedInputStream.getTotalBytesRead().

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 Unix SMB/CIFS implementation.
 Samba temporary memory allocation functions

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This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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Ty Coon, President of Vice

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

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If such an object file uses only numerical parameters, data
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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
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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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
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a) Accompany the work with the complete corresponding
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with the Library, with the complete machine-readable “work that
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b) Use a suitable shared library mechanism for linking with the
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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
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e) Verify that the user has already received a copy of these
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Version 3, 29 June 2007

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

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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Included here to compliment the Pthreads-win32 license header in wtf/ThreadingWin.cpp file. WebKit is using derived sources of ThreadCondition code from Pthreads-win32.

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

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

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

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

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

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

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

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

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

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

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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#
src/gzip/adler32.c
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src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/inftutil.c
src/gzip/inftutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/ftrandom/ftrandom.c
#
# EOF

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1.73 rsync 2.6.9

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*  
* ==---------------------------------------------------------------------------------------
* /

#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#ifdef _WIN32
#pragma warning (disable: 4996)
#endif

define HAVE_CONFIG_H
#include <config.h>
#endif

#include <sphinxbase/strfuncs.h>
#include <sphinxbase/prim_type.h>
#include <sphinxbase/cmd_ln.h>
#include <sphinxbase/ckd_alloc.h>
#include <sphinxbase/err.h>
#include <sphinxbase/bio.h>
#include <sphinxbase/pio.h>

/** \file main_cepview.c
 \brief Main driver of cepview
 */
#define IO_ERR  (-1)
#define IO_SUCCESS  (0)

#define SHOW_ALL "-1"
/ Default cepstral vector size */
#define NUM_COEFF "13"

/* Default display size, i.e., number of coefficients displayed, less
* than the vector size so we display one frame per line. */
#define DISPLAY_SIZE "10"
#define STR_MAX_INT "2147483647"

static arg_t arg[] = {
    {"-i",
     ARG_INT32, 
     NUM_COEFF, 
     "Number of coefficients in the feature vector."},
    {"-d", 
     ARG_INT32, 
     DISPLAY_SIZE, 
     "Number of displayed coefficients."},
    {"-header", 
     ARG_INT32, 
     "0", 
     "Whether header is shown."},
    {"-describe", 
     ARG_INT32, 
     "0", 
     "Whether description will be shown."},
    {"-b", 
     ARG_INT32, 
     "0", 
     "The beginning frame 0-based."},
    {"-e", 
     ARG_INT32, 
     "2147483647", 
     "The ending frame."},
    {"-f", 
     ARG_STRING, 
     NULL, 
     "Input feature file."},
    {NULL, ARG_INT32, NULL, NULL}
};

int read_cep(char const *file, float ***cep, int *nframes, int numcep);

int main(int argc, char *argv[])
{
    int i, j, offset;

int32 noframe, vsize, dsize, column;
int32 frm_begin, frm_end;
int is_header, is_describe;
float *z, **cep;
char const *cepfile;

cmd_ln_appl_enter(argc, argv, "default.arg", arg);

vsize = cmd_ln_int32("-i");
dsize = cmd_ln_int32("-d");
frm_begin = cmd_ln_int32("-b");
frm_end = cmd_ln_int32("-e");
is_header = cmd_ln_int32("-header");
is_describe = cmd_ln_int32("-describe");

if (vsize < 0)
    E_FATAL("-i : Input vector size should be larger than 0.\n");
if (dsize < 0)
    E_FATAL("-d : Column size should be larger than 0\n");
if (frm_begin < 0)
    E_FATAL("-b : Beginning frame should be larger than 0\n");
/* The following condition is redundant
 * if (frm_end < 0) E_FATAL("-e : Ending frame should be larger than 0")
 */
if (frm_begin >= frm_end)
    E_FATAL
        ("Ending frame (-e) should be larger than beginning frame (-b).\n");

if ((cepfile = cmd_ln_str("-f")) == NULL) {
    E_FATAL("Input file was not specified with (-f)\n");
}
if (read_cep(cepfile, &cep, &noframe, vsize) == IO_ERR)
    E_FATAL_SYSTEM("Failed to open '%s' for reading", cepfile);

z = cep[0];

offset = 0;
column = (vsize > dsize) ? dsize : vsize;
frm_end = (frm_end > noframe) ? noframe : frm_end;

E_INFO("Displaying %d out of %d columns per frame\n", column, vsize);
E_INFO("Total %d frames\n", noframe);

/* This part should be moved to a special library if this file is
 * longer than 300 lines. */

if (is_header) {
    if (is_describe) {

printf("\n%6s", "frame#:");
}
for (j = 0; j < column; ++j) {
    printf("%3s%3d%s ", "c[", j, "]");
} printf("\n");
offset += frm_begin * vsize;
for (i = frm_begin; i < frm_end; ++i) {
    if (is_describe) {
        printf("%6d: ", i);
    }
    for (j = 0; j < column; ++j)
        printf("%7.3f ", z[offset + j]);
    printf("\n");
    offset += vsize;
}
fflush(stdout);
cmd_ln_appl_exit();
ckd_free_2d(cep);
return (IO_SUCCESS);

int read_cep(char const *file, float ***cep, int *numframes, int cepsize) {
    FILE *fp;
    int n_float;
    struct stat statbuf;
    int i, n, byterev;
    float32 **mfcbuf;

    if (stat_retry(file, &statbuf) < 0) {
        E_ERROR_SYSTEM("Failed to get file size '%%s'", file);
        return IO_ERR;
    }

    if ((fp = fopen(file, "rb")) == NULL) {
        E_ERROR_SYSTEM("Failed to open '%%s' for reading", file);
        return IO_ERR;
    }

    /* Read #floats in header */
if (fread(&n_float, sizeof(int), 1, fp) != 1) {
    fclose(fp);
    return IO_ERR;
}

/* Check if n_float matches file size */
byterev = FALSE;
if (((int) (n_float * sizeof(float) + 4) != statbuf.st_size)) {
    n = n_float;
    SWAP_INT32(&n);

    if (((int) (n * sizeof(float) + 4) != statbuf.st_size)) {
        E_ERROR("Header size field: %d(%08x); filesize: %d(%08x)n",
                 n_float, n_float, (int) statbuf.st_size,
                 (int) statbuf.st_size);
        fclose(fp);
        return IO_ERR;
    }
    n_float = n;
    byterev = TRUE;
}
if (n_float <= 0) {
    E_ERROR("Header size field: %d\n", n_float);
    fclose(fp);
    return IO_ERR;
}

/* n = #frames of input */
n = n_float / cepsize;
if (n * cepsize != n_float) {
    E_ERROR("Header size field: %d; not multiple of %d\n", n_float, cepsize);
    fclose(fp);
    return IO_ERR;
}

mfcbuf = (float **) ckd_calloc_2d(n, cepsize, sizeof(float32));

/* Read mfc data and byteswap if necessary */
n_float = n * cepsize;
if (((int) fread(mfcbuf[0], sizeof(float), n_float, fp) != n_float)) {
    E_ERROR("Error reading mfc data from the file '%s', file\n",
            file);
    fclose(fp);
    return IO_ERR;
}
if (byterev) {
    for (i = 0; i < n_float; i++)
SWAP_FLOAT32(&(mfcbuf[0][i]));
}
fclose(fp);

*numframes = n;
*cep = mfcbuf;
return IO_SUCCESS;
}

/** Windows CE/Mobile entry point added. */
#if defined(_WIN32_WCE)
#pragma comment(linker, "/entry:mainWCRTStartup")

/* Windows Mobile has the Unicode main only */
int wmain(int32 argc, wchar_t *wargv[]) {
    char** argv;
    size_t wlen;
    size_t len;
    int i;

    argv = malloc(argc*sizeof(char*));
    for (i = 0; i < argc; i++){
        wlen = lstrlenW(wargv[i]);
        len = wcstombs(NULL, wargv[i], wlen);
        argv[i] = malloc(len+1);
        wcstombs(argv[i], wargv[i], wlen);
    }

    /* assuming ASCII parameters */
    return main(argc, argv);
}
#endif

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<signature of Ty Coon>, 1 April 1989
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1.77 stress-ng 0.06.15

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1.78 syslog-ng 3.7.3
1.78.1 Available under license:
/* A Bison parser, made by GNU Bison 3.0.2. */

/* Bison implementation for Yacc-like parsers in C */


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/* C LALR(1) parser skeleton written by Richard Stallman, by
simplifying the original so-called "semantic" parser. */

/* All symbols defined below should begin with yy or YY, to avoid
infringing on user name space. This should be done even for local
variables, as they might otherwise be expanded by user macros.
There are some unavoidable exceptions within include files to
define necessary library symbols; they are noted "INFRINGES ON
USER NAME SPACE" below. */

/* Identify Bison output. */
#define YYBISON 1

/* Bison version. */
#define YYBISON_VERSION "3.0.2"

/* Skeleton name. */
#define YYSKELETON_NAME "yacc.c"

/* Pure parsers. */
#define YYPURE 1

/* Push parsers. */
#define YYPUSH 0

/* Pull parsers. */
#define YYPULL 1

/* Substitute the variable and function names. */
#define yyparse rewrite_expr_parse
#define yylex rewrite_expr_lex
#define yyerror rewrite_expr_error
#define yydebug rewrite_expr_debug
#define yynerrs rewrite_expr_nerrs

/* Copy the first part of user declarations. */
#line 73 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:339 */

ifndef YY_NULLPTR
# if defined __cplusplus && 201103L <= __cplusplus
# define YY_NULLPTR nullptr
# else
# define YY_NULLPTR 0
# endif
/* Enabling verbose error messages. */
ifdef YYERROR_VERBOSE
    # undef YYERROR_VERBOSE
    # define YYERROR_VERBOSE 1
#else
    # define YYERROR_VERBOSE 1
#endif

/* In a future release of Bison, this section will be replaced 
   by include "y.tab.h". */
ifdef YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED
    # define YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED
#endif
#ifdef YYDEBUG
    # define YYDEBUG 0
#endif
#ifdef YYDEBUG
    extern int rewrite_expr_debug;
#endif

/* "%code requires" blocks. */
#line 25 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:355 */
#include "rewrite/rewrite-expr-parser.h"

#line 109 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:355 */

/* Token type. */
ifdef YYTOKENTYPE
    # define YYTOKENTYPE
    enum yytokentype
    {
        LL_CONTEXT_ROOT = 1,
        LL_CONTEXT_DESTINATION = 2,
        LL_CONTEXT_SOURCE = 3,
        LL_CONTEXT_PARSER = 4,
        LL_CONTEXT_REWRITE = 5,
        LL_CONTEXT_FILTER = 6,
        LL_CONTEXT_LOG = 7,
        LL_CONTEXT_BLOCK_DEF = 8,
        LL_CONTEXT_BLOCK_REF = 9,
        LL_CONTEXT_BLOCK_CONTENT = 10,
        LL_CONTEXT_BLOCK_ARG = 11,
        LL_CONTEXT_PRAGMA = 12,
        LL_CONTEXT_FORMAT = 13,
LL_CONTEXT_TEMPLATE_FUNC = 14,
LL_CONTEXT.Inner_DEST = 15,
LL_CONTEXT.Inner_SRC = 16,
LL_CONTEXT_CLIENT_PROTO = 17,
LL_CONTEXT_SERVER_PROTO = 18,
KW_SOURCE = 10000,
KW_FILTER = 10001,
KW_PARSER = 10002,
KW_DESTINATION = 10003,
KW_LOG = 10004,
KW_OPTIONS = 10005,
KW_INCLUDE = 10006,
KW_BLOCK = 10007,
KW_JUNCTION = 10008,
KW_CHANNEL = 10009,
KW_INTERNAL = 10010,
KW_FILE = 10011,
KW_SQL = 10030,
KW_TYPE = 10031,
KW_COLUMNS = 10032,
KW_INDEXES = 10033,
KW_VALUES = 10034,
KW_PASSWORD = 10035,
KW_DATABASE = 10036,
KW_USERNAME = 10037,
KW_TABLE = 10038,
KW_ENCODING = 10039,
KW_SESSION_STATEMENTS = 10040,
KW_DELIMITERS = 10050,
KW_QUOTES = 10051,
KW_QUOTE_PAIRS = 10052,
KW_NULL = 10053,
KW_SYSLOG = 10060,
KW_MARK_FREQ = 10071,
KW_STATS_FREQ = 10072,
KW_STATS_LEVEL = 10073,
KW_STATS_LIFETIME = 10074,
KW_FLUSH_LINES = 10075,
KW_SUPPRESS = 10076,
KW_FLUSH_TIMEOUT = 10077,
KW_LOG_MSG_SIZE = 10078,
KW_FILE_TEMPLATE = 10079,
KW_PROTO_TEMPLATE = 10080,
KW_MARK_MODE = 10081,
KW_CHAIN_HOSTNAMES = 10090,
KW_NORMALIZE_HOSTNAMES = 10091,
KW_KEEP_HOSTNAME = 10092,
KW_CHECK_HOSTNAME = 10093,
KW_BAD_HOSTNAME = 10094,
KW_KEEP_TIMESTAMP = 10100,
KW_USE_DNS = 10110,
KW_USE_FQDN = 10111,
KW_CUSTOM_DOMAIN = 10112,
KW_DNS_CACHE = 10120,
KW_DNS_CACHE_SIZE = 10121,
KW_DNS_CACHE_EXPIRE = 10130,
KW_DNS_CACHE_EXPIRE_FAILED = 10131,
KW_DNS_CACHE_HOSTS = 10132,
KW_PERSIST_ONLY = 10140,
KW_USE_RCPTID = 10141,
KW_TZ_CONVERT = 10150,
KW_TS_FORMAT = 10151,
KW_FRAC_DIGITS = 10152,
KW_LOG_FIFO_SIZE = 10160,
KW_LOG_FCH_LIMIT = 10162,
KW_LOG_IW_SIZE = 10163,
KW_LOG_PREFIX = 10164,
KW_PROGRAM_OVERRIDE = 10165,
KW_HOST_OVERRIDE = 10166,
KW_THROTTLE = 10170,
KW_THREADDED = 10171,
KW_FLAGS = 10190,
KW_PAD_SIZE = 10200,
KW_TIME_ZONE = 10201,
KW_RECV_TIME_ZONE = 10202,
KW_SEND_TIME_ZONE = 10203,
KW_LOCAL_TIME_ZONE = 10204,
KW_FORMAT = 10205,
KW_TIME_REOPEN = 10210,
KW_TIME_REAP = 10211,
KW_TIME_SLEEP = 10212,
KW_TMPL_ESCAPE = 10220,
KW_OPTIONAL = 10230,
KW_CREATE_DIRS = 10240,
KW_OWNER = 10250,
KW_GROUP = 10251,
KW_PERM = 10252,
KW_DIR_OWNER = 10260,
KW_DIR_GROUP = 10261,
KW_DIR_PERM = 10262,
KW_TEMPLATE = 10270,
KW_TEMPLATE_ESCAPE = 10271,
KW_DEFAULT_FACILITY = 10300,
KW_DEFAULT_LEVEL = 10301,
KW_PORT = 10323,
KW_USE_TIME_RECV = 10340,
KW_FACILITY = 10350,
KW_LEVEL = 10351,
KW_HOST = 10352,
KW_MATCH = 10353,
KW_MESSAGE = 10354,
KW_NETMASK = 10355,
KW_TAGS = 10356,
KW_VALUE = 10361,
KW_REWRITE = 10370,
KW_SET = 10371,
KW_SUBST = 10372,
KW_YES = 10380,
KW_NO = 10381,
KW_IFDEF = 10410,
KW_ENDIF = 10411,
LL_DOTDOT = 10420,
LL_IDENTIFIER = 10421,
LL_NUMBER = 10422,
LL_FLOAT = 10423,
LL_STRING = 10424,
LL_TOKEN = 10425,
LL_BLOCK = 10426,
LL_PRAGMA = 10427,
LL_EOL = 10428,
LL_ERROR = 10429,
KW_VALUE_PAIRS = 10500,
KW_SELECT = 10501,
KW_EXCLUDE = 10502,
KW_PAIR = 10503,
KW_KEY = 10504,
KW_SCOPE = 10505,
KW_SHIFT = 10506,
KW_REKEY = 10507,
KW_ADD_PREFIX = 10508,
KW_REPLACE_PREFIX = 10509,
KW_ON_ERROR = 10510,
KW_RETRIES = 10511,
KW_CONDITION = 10513,
KW_SET_TAG = 10514,
KW_CLEAR_TAG = 10515,
KW_GROUP_SET = 10516
};
#endif

/* Tokens. */
#define LL_CONTEXT_ROOT 1
#define LL_CONTEXT_DESTINATION 2
#define LL_CONTEXT_SOURCE 3
#define LL_CONTEXT_PARSER 4
#define LL_CONTEXT_REWRITE 5
#define LL_CONTEXT_FILTER 6
#define LL_CONTEXT_LOG 7
#define LL_CONTEXT_BLOCK_DEF 8
#define LL_CONTEXT_BLOCK_REF 9
#define LL_CONTEXT_BLOCK_CONTENT 10
#define LL_CONTEXT_BLOCK_ARG 11
#define LL_CONTEXT_PRAGMA 12
#define LL_CONTEXT_FORMAT 13
#define LL_CONTEXT_TEMPLATE_FUNC 14
#define LL_CONTEXT_INNER_DEST 15
#define LL_CONTEXT_INNER_SRC 16
#define LL_CONTEXT_CLIENT_PROTO 17
#define LL_CONTEXT_SERVER_PROTO 18
#define KW_SOURCE 10000
#define KW_FILTER 10001
#define KW_PARSER 10002
#define KW_DESTINATION 10003
#define KW_LOG 10004
#define KW_OPTIONS 10005
#define KW_INCLUDE 10006
#define KW_BLOCK 10007
#define KW_JUNCTION 10008
#define KW_CHANNEL 10009
#define KW_INTERNAL 10010
#define KW_FILE 10011
#define KW_SQL 10030
#define KW_TYPE 10031
#define KW_COLUMNS 10032
#define KW_INDEXES 10033
#define KW_VALUES 10034
#define KW_PASSWORD 10035
#define KW_DATABASE 10036
#define KW_USERNAME 10037
#define KW_TABLE 10038
#define KW_ENCODING 10039
#define KW_SESSION_STATEMENTS 10040
#define KW_DELIMITERS 10050
#define KW_QUOTES 10051
#define KW_QUOTE_PAIRS 10052
#define KW_NULL 10053
#define KW_SYSLOG 10060
#define KW_MARK_FREQ 10071
#define KW_STATS_FREQ 10072
#define KW_STATS_LEVEL 10073
#define KW_STATS_LIFETIME 10074
#define KW_FLUSH_LINES 10075
#define KW_SUPPRESS 10076
#define KW_FLUSH_TIMEOUT 10077
#define KW_LOG_MSG_SIZE 10078
#define KW_FILE_TEMPLATE 10079
#define KW_PROTO_TEMPLATE 10080
#define KW_MARK_MODE 10081
#define KW_CHAIN_HOSTNAMES 10090
#define KW_NORMALIZE_HOSTNAMES 10091
#define KW_KEEP_HOSTNAME 10092
#define KW_CHECK_HOSTNAME 10093
#define KW_BAD_HOSTNAME 10094
#define KW_KEEP_TIMESTAMP 10100
#define KW_USE_DNS 10110
#define KW_USE_FQDN 10111
#define KW_CUSTOM_DOMAIN 10112
#define KW_DNS_CACHE 10120
#define KW_DNS_CACHE_SIZE 10121
#define KW_DNS_CACHE_EXPIRE 10130
#define KW_DNS_CACHE_EXPIRE_FAILED 10131
#define KW_DNS_CACHE_HOSTS 10132
#define KW_PERSIST_ONLY 10140
#define KW_USE_RCPTID 10141
#define KW_TZ_CONVERT 10150
#define KW_TS_FORMAT 10151
#define KW_FRAC_DIGITS 10152
#define KW_LOG_FIFO_SIZE 10160
#define KW_LOG_FETCH_LIMIT 10162
#define KW_LOG_IW_SIZE 10163
#define KW_LOG_PREFIX 10164
#define KW_PROGRAM_OVERRIDE 10165
#define KW_HOST_OVERRIDE 10166
#define KW_THROTTLE 10170
#define KW_THREADED 10171
#define KW_FLAGS 10190
#define KW_PAD_SIZE 10200
#define KW_TIME_ZONE 10201
#define KW_RECV_TIME_ZONE 10202
#define KW_SEND_TIME_ZONE 10203
#define KW_LOCAL_TIME_ZONE 10204
#define KW_FORMAT 10205
#define KW_TIME_REOPEN 10210
#define KW_TIME_REAP 10211
#define KW_TIME_SLEEP 10212
#define KW_TMPL_ESCAPE 10220
#define KW_OPTIONAL 10230
#define KW_CREATE_DIRS 10240
#define KW_OWNER 10250
#define KW_GROUP 10251
#define KW_PERM 10252
#define KW_DIR_OWNER 10260
#define KW_DIR_GROUP 10261
#define KW_DIR_PERM 10262
#define KW_TEMPLATE 10270
#define KW_TEMPLATE_ESCAPE 10271
#define KW_DEFAULT_FACILITY 10300
#define KW_DEFAULT_LEVEL 10301
#define KW_PORT 10323
#define KW_USE_TIME_RECVD 10340
#define KW_FACILITY 10350
#define KW_LEVEL 10351
#define KW_HOST 10352
#define KW_MATCH 10353
#define KW_MESSAGE 10354
#define KW_NETMASK 10355
#define KW_TAGS 10356
#define KW_VALUE 10357
#define KW_REWRITE 10370
#define KW_SET 10371
#define KW_SUBST 10372
#define KW_YES 10380
#define KW_NO 10381
#define KW_IFDEF 10410
#define KW_ENDIF 10411
#define LL_DOTDOT 10420
#define LL_IDENTIFIER 10421
#define LL_NUMBER 10422
#define LL_FLOAT 10423
#define LL_STRING 10424
#define LL_TOKEN 10425
#define LL_BLOCK 10426
#define LL_PRAGMA 10427
#define LL_EOL 10428
#define LL_ERROR 10429
#define KW_VALUEPAIRS 10500
#define KW_SELECT 10501
#define KW_EXCLUDE 10502
#define KW_PAIR 10503
#define KW_KEY 10504
#define KW_SCOPE 10505
#define KW_SHIFT 10506
#define KW_REKEY 10507
#define KW_ADD_PREFIX 10508
#define KW_REPLACE_PREFIX 10509
#define KW_ON_ERROR 10510
#define KW_RETRIES 10511
#define KW_CONDITION 10513
#define KW_SET_TAG 10514
#define KW_CLEAR_TAG 10515
#define KW_GROUP_SET 10516

/* Value type. */

/* Location type. */
#if ! defined YYLTYPE && ! defined YYLTYPE_IS_DECLARED
typedef struct YYLTYPE YYLTYPE;
struct YYLTYPE
{
    int first_line;
    int first_column;
    int last_line;
    int last_column;
};
#define YYLTYPE_IS_DECLARED 1
#define YYLTYPE_IS_TRIVIAL 1
#endif

int rewrite_expr_parse (CfgLexer *lexer, LogExprNode **result, gpointer arg);
#endif /* !YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED */

/* Copy the second part of user declarations. */

#include "rewrite/rewrite-expr-grammar.h"
#include "rewrite/rewrite-set-tag.h"
#include "rewrite/rewrite-set.h"
#include "rewrite/rewrite-subst.h"
#include "rewrite/rewrite-groupset.h"
#include "filter/filter-expr.h"
#include "filter/filter-expr-parser.h"
#include "cfg-grammar.h"
#include "syslog-names.h"
#include "plugin.h"
#include <string.h>

LogRewrite *last_rewrite;

#line 67 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:359 */
# define YYLLOC_DEFAULT(Current, Rhs, N) do {
  if (N) {
    (Current).level = YYRHSLOC(Rhs, 1).level;
    (Current).first_line = YYRHSLOC(Rhs, 1).first_line;
    (Current).first_column = YYRHSLOC(Rhs, 1).first_column;
    (Current).last_line = YYRHSLOC(Rhs, N).last_line;
    (Current).last_column = YYRHSLOC(Rhs, N).last_column;
  } else {
    (Current).level = YYRHSLOC(Rhs, 0).level;
    (Current).first_line = (Current).last_line = YYRHSLOC(Rhs, 0).last_line;
    (Current).first_column = (Current).last_column = YYRHSLOC(Rhs, 0).last_column;
  }
} while (0)

#define CHECK_ERRORWITHOUT_MESSAGE(val, token) do {
  if (!val) {
    YYERROR;
  }
} while (0)

#define CHECK_ERROR(val, token, errorfmt, ...) do {
  if (!val) {
    if (errorfmt) {
      gchar __buf[256];
      g_snprintf(__buf, sizeof(__buf), errorfmt, ## __VA_ARGS__);
      yyerror(& (token), lexer, NULL, NULL, __buf);
    }
    YYERROR;
  }
} while (0)

#define CHECK_ERROR_GERROR(val, token, error, errorfmt, ...) do {
  if (!val) {
    if (errorfmt) {
      gchar __buf[256];
      g_snprintf(__buf, sizeof(__buf), errorfmt, ## __VA_ARGS__);
      yyerror(& (token), lexer, NULL, NULL, __buf);
    }
    YYERROR;
  }
} while (0)
g_snprintf(__buf, sizeof(__buf), errorfmt ", error=%s", ## __VA_ARGS__, error->message); \
yyerror(& (token), lexer, NULL, NULL, __buf); \\g_clear_error(&error);\nYYERROR; \\} while (0)

#define YYMAXDEPTH 20000

#line 525 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:359 */

#ifndef YYSIZE_T
  #ifdef __SIZE_TYPE__
    #define YYSIZE_T __SIZE_TYPE__
  #elif defined size_t
    #define YYSIZE_T size_t
  #elif ! defined YYSIZE_T
    #define YYSIZE_T size_t
  #endif
#endif

#ifdef YYTYPE_UINT8
  typedef YYTYPE_UINT8 yytype_uint8;
#else
  typedef unsigned char yytype_uint8;
#endif

#ifdef YYTYPE_INT8
  typedef YYTYPE_INT8 yytype_int8;
#else
  typedef signed char yytype_int8;
#endif

#ifdef YYTYPE_UINT16
  typedef YYTYPE_UINT16 yytype_uint16;
#else
  typedef unsigned short int yytype_uint16;
#endif

#ifdef YYTYPE_INT16
  typedef YYTYPE_INT16 yytype_int16;
#else
  typedef short int yytype_int16;
#endif

#ifndef YYSIZE_T
  #ifdef __SIZE_TYPE__
    #define YYSIZE_T __SIZE_TYPE__
  #elif defined size_t
    #define YYSIZE_T size_t
  #elif ! defined YYSIZE_T
    #define YYSIZE_T size_t
  #endif
#endif

#ifndef YYSIZE_T
  #ifdef __SIZE_TYPE__
    #define YYSIZE_T __SIZE_TYPE__
  #elif defined size_t
    #define YYSIZE_T size_t
  #elif ! defined YYSIZE_T
    #define YYSIZE_T size_t
  #endif
#endif

#ifndef YYSIZE_T
  #ifdef __SIZE_TYPE__
    #define YYSIZE_T __SIZE_TYPE__
  #elif defined size_t
    #define YYSIZE_T size_t
  #elif ! defined YYSIZE_T
    #define YYSIZE_T size_t
  #endif
#endif

#ifndef YYSIZE_T
  #ifdef __SIZE_TYPE__
    #define YYSIZE_T __SIZE_TYPE__
  #elif defined size_t
    #define YYSIZE_T size_t
  #elif ! defined YYSIZE_T
    #define YYSIZE_T size_t
  #endif
#endif

#ifndef YYSIZE_T
  #ifdef __SIZE_TYPE__
    #define YYSIZE_T __SIZE_TYPE__
  #elif defined size_t
    #define YYSIZE_T size_t
  #elif ! defined YYSIZE_T
    #define YYSIZE_T size_t
  #endif
#endif
# include <stddef.h> /* INFRINGES ON USER NAME SPACE */
# define YYSIZE_T size_t
#else
# define YYSIZE_T unsigned int
#endif
#define YYSIZE_MAXIMUM ((YYSIZE_T) -1)

#ifndef YY_
#ifndef YYENABLE_NLS
# if defined YY_ENABLE_NLS && YY_ENABLE_NLS
# define YY_MACRO(Msgid) dgettext ("bison-runtime", Msgid)
#else
# define YY_MACRO(Msgid) Msgid
#endif
#endif
#endif

#ifndef YY_ATTRIBUTE
# if (defined __GNUC__ && (2 < __GNUC__ == 2 && 96 <= __GNUC_MINOR__)) || defined __SUNPRO_C && 0x5110 <= __SUNPRO_C
# define YY_ATTRIBUTE(Spec) __attribute__(Spec)
#else
# define YY_ATTRIBUTE(Spec) /* empty */
#endif
#endif

#ifndef YY_ATTRIBUTE PURE
# define YY_ATTRIBUTE PURE YY_ATTRIBUTE ((__pure__))
#endif

#ifndef YY_ATTRIBUTE UNUSED
# define YY_ATTRIBUTE UNUSED YY_ATTRIBUTE ((__unused__))
#endif

#ifndef _Noreturn
# if defined __STDC_VERSION__ || __STDC_VERSION__ < 201112
# define _Noreturn __declspec (noreturn)
#else
# define _Noreturn YY_ATTRIBUTE ((__noreturn__))
#endif
#endif
/* Suppress unused-variable warnings by "using" E. */
#if ! defined lint || defined __GNUC__
#define YYUSE(E) ((void) (E))
#else
#define YYUSE(E) /* empty */
#endif

#if defined __GNUC__ && 407 <= __GNUC__ * 100 + __GNUC_MINOR__
/* Suppress an incorrect diagnostic about yylval being uninitialized. */
#define YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
 #Pragma ("GCC diagnostic push")
 #Pragma ("GCC diagnostic ignored \"-Wuninitialized\"\")
 #Pragma ("GCC diagnostic ignored \"-Wmaybe-uninitialized\"\")
#define YY_IGNORE_MAYBE_UNINITIALIZED_END
 #Pragma ("GCC diagnostic pop")
#else
#define YY_INITIAL_VALUE(Value) Value
#endif

#ifndef YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
#define YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
#define YY_IGNORE_MAYBE_UNINITIALIZED_END
#endif

#ifndef YY_INITIAL_VALUE
#define YY_INITIAL_VALUE(Value) /* Nothing. */
#endif

#if ! defined yyoverflow || YYERROR_VERBOSE
/* The parser invokes alloca or malloc; define the necessary symbols. */

#if defined YYSTACK_USE_ALLOCA
 #if defined __GNUC__
 #define YYSTACK_ALLOC __builtin_alloca
 #elif defined __BUILTIN_VA_ARG_INCR
 #include <alloca.h> /* INFRINGES ON USER NAME SPACE */
 #elif defined _AIX
 #define YYSTACK_ALLOC __alloca
 #else
 #define YYSTACK_ALLOC alloca
 if ! defined _ALLOCA_H && ! defined EXIT_SUCCESS
 #include <stdlib.h> /* INFRINGES ON USER NAME SPACE */
 #elif defined _MSC_VER
 #define YYSTACK_ALLOC _alloca
 #elif defined _BUILTIN_VA_ARG_INCR
 #include <alloca.h> /* INFRINGES ON USER NAME SPACE */
#endif
#include <alloca.h>
#endif
#endif
# define EXIT_SUCCESS 0
#
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endi
&& (! defined __cplusplus \
    || (defined YYLTYPE_IS_TRIVIAL && YYLTYPE_IS_TRIVIAL \
        && defined YYSTYPE_IS_TRIVIAL && YYSTYPE_IS_TRIVIAL)))

/* A type that is properly aligned for any stack member. */
union yyalloc
{
    yytype_int16 yyss_alloc;
    YYSTYPE yyvs_alloc;
    YYLTYPE yyls_alloc;
};

/* The size of the maximum gap between one aligned stack and the next. */
#define YYSTACK_GAP_MAXIMUM (sizeof (union yyalloc) - 1)

/* The size of an array large enough to hold all stacks, each with */
/* N elements. */
#define YYSTACK_BYTES(N) \
    ((N) * (sizeof (yytype_int16) + sizeof (YYSTYPE) + sizeof (YYLTYPE)) \
    + 2 * YYSTACK_GAP_MAXIMUM)

#define YYCOPY_NEEDED 1

/* Relocate STACK from its old location to the new one. The */
local variables YYSIZE and YYSTACKSIZE give the old and new number of */
elements in the stack, and YYPTR gives the new location of the */
stack. Advance YYPTR to a properly aligned location for the next */
stack. */
#define YYSTACK_RELOCATE(Stack_alloc, Stack)                          \
  do                                                                  \
  {                                                                 \
      YYSIZE_T yynewbytes;                                            \
      YYCOPY (&yyptr->Stack_alloc, Stack, yysize);                    \
      Stack = &yyptr->Stack_alloc;                                    \
      yynewbytes = yystacksize * sizeof (*Stack) + YYSTACK_GAP_MAXIMUM; \
      yyptr += yynewbytes / sizeof (*yyptr);                          \
  } while (0)
#endif

#if defined YYCOPY_NEEDED && YYCOPY_NEEDED
/* Copy COUNT objects from SRC to DST. The source and destination do */
not overlap. */
#if defined YYCOPY
# if defined __GNUC__ && 1 < __GNUC__
    # define YYCOPY(Dst, Src, Count) \ 
    __builtin_memcpy (Dst, Src, (Count) * sizeof (*Src))
#endif
#endif
# define YYCOPY(Dst, Src, Count) \  
do \  
{ \  
  YYSIZE_T yyi; \  
  for (yyi = 0; yyi < (Count); yyi++) \  
    (Dst)[yyi] = (Src)[yyi]; \  
} \  
while (0)
#endif /* !YYCOPY_NEEDED */

/* YYFINAL -- State number of the termination state. */
#define YYFINAL 18
/* YYLAST -- Last index in YYTABLE. */
#define YYLAST 205

/* YYNTOKENS -- Number of terminals. */
#define YYNTOKENS 159
/* YYNNTS -- Number of nonterminals. */
#define YYNNTS 57
/* YYNRULES -- Number of rules. */
#define YYNRULES 110
/* YYNSTATES -- Number of states. */
#define YYNSTATES 232

#define YYUNDEFTOK 2
#define YYMAXUTOK 10516

#define YYTRANSLATE(YYX)                                                
((unsigned int) (YYX) <= YYMAXUTOK ? yytranslate[YYX] : YYUNDEFTOK)

/* YYTRANSLATE[YYX] -- Symbol number corresponding to YYX as returned    
   by yylex, with out-of-bounds checking. */
#define YYUNDEFTOK 2
#define YYMAXUTOK 10516

#define YYTRANSLATE(YYX)                                                
((unsigned int) (YYX) <= YYMAXUTOK ? yytranslate[YYX] : YYUNDEFTOK)

/* YYTRANSLATE[TOKEN-NUM] -- Symbol number corresponding to TOKEN-NUM    
   as returned by yylex, without out-of-bounds checking. */
static const yytype_uint8 yytranslate[] =
{
  0,  3,  4,  5,  6,  7,  8,  9, 10, 11,
  12, 13, 14, 15, 16, 17, 18, 19, 20, 21,
  2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
  2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
  153, 154, 2,  2,  2,  2,  2,  2,  2,  2,
  2,  2,  2,  2,  2,  2,  2,  2,  158, 157,
  2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
  2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
  2,  2,  2,  2,  2,  2,  2,  2,  2,  2,  
}
#if YYDEBUG

/* YYRLINE[YYN] -- Source line where rule number YYN was defined. */
static const yytype_uint16 yyrline[] =
{
    0, 387, 387, 391, 392, 393, 397, 409, 408, 421,
    420, 426, 427, 429, 428, 435, 454, 455, 459, 463,
    467, 468, 472, 473, 477, 478, 482, 497, 502,
    501, 514, 516, 514, 523, 524, 525, 529, 530, 534,
    553, 557, 557, 565, 566, 570, 575, 586, 596, 605,
    607, 605, 616, 617, 618, 622, 626, 645, 646, 650,
    651, 652, 653, 654, 655, 656, 657, 658, 659, 660,
};

#endif
#ifndef
#if YYDEBUG || YYERROR_VERBOSE || 1
/* YYTNAME[SYMBOL-NUM] -- String name of the symbol SYMBOL-NUM.  
   First, the terminals, then, starting at YYNTOKENS, nonterminals. */
static const char *const yytname[] =
{
"Send", "error", "$undefined", "LLCONTEXT_ROOT", 
"LLCONTEXT_DESTINATION", "LLCONTEXT_SOURCE", "LLCONTEXT_PARSER", 
"LLCONTEXT_REWRITE", "LLCONTEXT_FILTER", "LLCONTEXT_LOG", 
"LLCONTEXT_BLOCK_DEF", "LLCONTEXT_BLOCK_REF", 
"LLCONTEXT_BLOCK_CONTENT", "LLCONTEXT_BLOCK_ARG", "LLCONTEXT_PRAGMA", 
"LLCONTEXT_FORMAT", "LLCONTEXT_TEMPLATE_FUNC", "LLCONTEXT.Inner_DEST", 
"LLCONTEXT_Inner_SRC", "LLCONTEXT_CLIENT_PROTO", 
"LLCONTEXT_SERVER_PROTO", "KWSOURCE", "KW_PARSER", 
"KWDestination", "KWLOG", "KWOPTIONS", "KVINCLUDE", "KWBLOCK", 
"KWJUNCTION", "KWCHANNEL", "KWINTERNAL", "KWFILE", "KWSQL", 
"KWTYPE", "KWCOLUMN", "KWINDEXES", "KWVALUES", "KWPASSWORD", 
"KWDATABASE", "KUSERNAME", "KTABLE", "KENCODING", 
"KWSSESSIONSTATEMENTS", "KWDELIMITERS", "KWQUOTES", "KWQUOTEPAIRS", 
"KWWNULL", "KWSYSLOG", "KWMARKFREQ", "KWSTRATSFREQ", 
"KWSTRATSLEVEL", "KWSTRATSLIFETIME", "KWFLUSH_LINES", "KWSUPPRESS", 
"KWFLUSH_TIMEOUT", "KWLOG_MSG_SIZE", "KWFILETEMPLATE", 
"KWPROTO_TEMPLATE", "KWMARK_MODE", "KWCHAIN_HOSTNAMES", 
"KWNORMALIZE_HOSTNAMES", "KWKEEP_HOSTNAME", "KWCHECK_HOSTNAME", 
"KWBAD_HOSTNAME", "KWKEEP_TIMESTAMP", "KUSEDNS", "KUSE_FQDN", 
"KW_CUSTOM_DOMAIN", "KWDNS_CACHE", "KWDNS_CACHE_SIZE", 
"KWDNS_CACHE_EXPIRE", "KWDNS_CACHE_EXPIRE_FAILED", 
"KWDNS_CACHE_HOSTS", "KW_PERSIST_ONLY", "KUSE_RCP_TID", 
"KWTZ_CONVERT", "KWTS_FORMAT", "KW_FRAC_DIGITS", "KWLOG_FIFO_SIZE", 
"KWLOG_FETCH_LIMIT", "KWLOG_IW_SIZE", "KWLOG_PREFIX", 
"KWPROGRAM_OVERRIDE", "KWHOST_OVERRIDE", "KW_THROTTLE", "KW_THREADED", 
"KWFLAGS", "KW_PAD_SIZE", "KWTIME_ZONE", "KW_RECV_TIME_ZONE", 
"KWSEND_TIME_ZONE", "KWLLOCAL_TIME_ZONE", "KW_FORMAT", "KW_TIME_REOPEN", 
"KW_TIME_REAP", "KW_TIME_SLEEP", "KWTMPL_ESCAPE", "KWOPTIONAL", 
"KW_CREATE_DIRS", "KW_OWNER", "KW_GROUP", "KW_PERM", "KW_DIR_OWNER", 
"KWDIR_GROUP", "KWDIR_PERM", "KWTEMPLATE", "KWTEMPLATE_ESCAPE", 
"KWDDEFAULT_FACILITY", "KWDDEFAULT_LEVEL", "KWPORT", 
"KUSE_TIME_RECVD", "KWFACILITY", "KWLEVEL", "KWHOST", "KWMATCH", 
"KWMESSAGE", "KWNETMASK", "KWTAGS", "KWVALUE", "KWRITE", 
"KWSET", "KW_SUBST", "KW_YES", "KW_NO", "KWIFDEF", "KWENDIF", 
"LLDOTDOT", "LLIDENTIFIER", "LLNUMBER", "LLFLOAT", "LLSTRING", 

"LL_TOKEN", "LL_BLOCK", "LL_PRAGMA", "LL_EOL", "LL_ERROR",
"KW_VALUE_PAIRS", "KW_SELECT", "KW_EXCLUDE", "KW_PAIR", "KW_KEY",
"KW_SCOPE", "KW_SHIFT", "KW_REKEY", "KW_ADD_PREFIX", "KW_REPLACE_PREFIX",
"KW_ON_ERROR", "KW_RETRIES", "KW_CONDITION", "KW_SET_TAG",
"KW_CLEAR_TAG", "KW_GROUP_SET", "'('", ")'", "'{'", "}'", ";'",
":'",
"$accept", "start", "rewrite_expr_list", "rewrite_template_content",
"rewrite_expr", "$@1", "$@2", "$@3", "rewrite_groupset_opts",
"rewrite_groupset_opt", "rewrite_subst_opts", "rewrite_subst_opt", "$@4",
"rewrite_expr_opts", "rewrite_expr_opt", "rewrite_condition_opt", "$@5",
"source_content", "$@6", "$@7", "source_items", "source_item",
"source_plugin", "source_afinter", "source_afinter_params", "$@8",
"source_afinter_options", "source_afinter_option", "filter_content",
"parser_content", "rewrite_content", "dest_content", "$@9", "$@10",
"dest_items", "dest_item", "dest_plugin", "log_items", "log_item",
"log_junction", "log_last_junction", "log_forks", "log_fork",
"log_content", "log_flags", "log_flags_items", "string", "yesno",
"dnsmode", "string_list", "string_list_build", "semicolons",
"source_option", "$@12", "host_resolve_option", "matcher_option",
"matcher_flags", YY_NULLPTR
};
#endif

#define YYPACT_NINF -106

#if YYPRINT
/* YYTOKNUM[NUM] -- (External) token number corresponding to the
(internal) symbol number NUM (which must be that of a token). */
static const yytype_uint16 yytoknum[] =
{
    0, 256, 10512, 1, 2, 3, 4, 5, 6, 7,
    8, 9, 10, 11, 12, 13, 14, 15, 16, 17,
    18, 10000, 10001, 10002, 10003, 10004, 10005, 10006, 10007, 10008,
    10009, 10010, 10011, 10012, 10013, 10014, 10015, 10016, 10017, 10018,
    10019, 10091, 10092, 10093, 10094, 10100, 10110, 10111, 10112, 10120,
    10121, 10130, 10131, 10132, 10140, 10141, 10150, 10151, 10152, 10160,
    10162, 10163, 10164, 10165, 10166, 10170, 10171, 10190, 10200, 10201,
    10202, 10203, 10204, 10205, 10210, 10211, 10212, 10220, 10230, 10240,
    10250, 10251, 10252, 10260, 10261, 10262, 10270, 10271, 10300, 10301,
    10323, 10340, 10350, 10351, 10352, 10353, 10354, 10355, 10356, 10361,
    10370, 10371, 10372, 10380, 10381, 10410, 10411, 10420, 10421, 10422,
    10423, 10424, 10425, 10426, 10427, 10428, 10429, 10500, 10501, 10502,
    10503, 10504, 10505, 10506, 10507, 10508, 10509, 10510, 10511, 10513,
    10514, 10515, 10516, 40, 41, 123, 125, 59, 58
};
#endif

#define YYPACT_NINF -106
#define yypact_value_is_default(Yystate) 
(!!((Yystate) == (-106)))

#define YYTABLE_NINF -45

#define yytable_value_is_error(Yytable_value) 
0

/* YYPACT[STATE-NUM] -- Index in YYTABLE of the portion describing STATE-NUM. */
static const yytype_int8 yypact[] = 
{ 
  -15,  -87,  -73,  -65,  -106,  -59,  -58,  -57,    97,    17, 
  -54,  -54,   17,  -75,  -75,  -75,  -75,  -106,  -55, 
 -106,  -106,  -75,  -49,  -44,  -106,  -6,   -6,  17,  -106, 
 -106,  -106,  -106,  -97,  -106,  -106,  -106,  -34,  -104,  -89, 
  -70,  -66,   17,  -54,  -106,  -35,  -32,  -106,  -52, 
  -41,  -29,  -97,  -106,  -82,  -31,  -25,  -34,  -106,  -75, 
 -106,  -75,  -106,  -75,  -106,  -75,  -106,  -75,  -106,    12, 
   -6, -106,  -106,  -75,  -106,  -106,  -106,  -21,  -82,  -22, 
 -106,  -75,  -106,  -106,  -16,  -30,  -20,  -11,  -10,    -9, 
   -8,  -5,   -3,  -17,   -2,   -1,  -12,  -106,  -106,    0, 
   2,  -106,  -106,   4,    5,  -106,  -75,    6,  -106,  -106, 
 -20,  -20,  -106,  -17,  -17,    9,  -75,    10,  -75,    11, 
 -106,  -106,  -15,  -18,  -19,  -21,  -26,  -27,  -28,  -29, 
 -106,  -56,  -106,  -26,  -106,  -85,  -85,  -85,  -22,  -75, 
 -75,  -75,  -106,  -30,  -31,  -32,  -33,  -106,  -106, 
 -106,  -106,  -34,  -35,  -36,  -37,  -38,  -39,  -40,  -41, 
 -106,  -106 
};

/* YYDEFACT[STATE-NUM] -- Default reduction number in state STATE-NUM. 
   Performed when YYTABLE does not specify something else to do.  Zero
   means the default is an error. */
static const yytype_uint8 yydefact[] = 
{ 
  5,   0,   0,   0,   15,    0,   0,   0,   73, 
  0,   0,  73,   0,   0,   0,   0,   0,    1,    0, 
  0,   2,  71,   0,   91,    5,   5,   0,   81,   82, 
  9,   6,   0,   0,   0,  13,  58,  58,   73,   92, 
  3,   4,  70,  26,    7,   11,  12,   17,    0,    0,
0, 0, 0, 73, 0, 69, 0, 0, 72, 0,
0, 0, 26, 28, 22, 0, 0, 17, 19, 0,
31, 0, 46, 0, 47, 0, 49, 0, 48, 78,
58, 74, 75, 0, 29, 10, 25, 0, 22, 0,
24, 90, 14, 16, 0, 0, 36, 0, 0, 0,
0, 0, 0, 54, 0, 0, 0, 76, 57, 0,
0, 8, 20, 0, 0, 23, 90, 0, 88, 59,
60, 0, 39, 32, 0, 38, 37, 0, 61, 62,
63, 64, 67, 68, 56, 50, 0, 55, 0, 65,
66, 80, 27, 30, 0, 110, 89, 18, 41, 33,
36, 36, 51, 54, 54, 0, 80, 0, 110, 0,
0, 101, 34, 35, 52, 53, 0, 79, 107, 109,
108, 40, 0, 0, 0, 0, 0, 0, 0, 0,
42, 101, 45, 0, 77, 0, 0, 0, 0, 0,
0, 0, 90, 43, 0, 0, 0, 0, 102, 83,
84, 85, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 94, 95, 99, 93, 98, 96,
97, 100, 0, 87, 86, 0, 0, 0, 106, 104,
103, 105
};

/\ YYPGOTO\[\text{NTERM-NUM}\]. */
static const yytype_int8 yypgoto[] =
{
-106, -106, 49, 16, -106, -106, -106, -106, 61, -106,
106, 20, -72, 113, -106, 14, -14, -94, -106, -23,
50, -4, -106, -106, -106, -106, 47
};

/\ YYDEFGOTO\[\text{NTERM-NUM}\]. */
static const yytype_int16 yydefgoto[] =
{
-1, 8, 9, 30, 10, 64, 43, 47, 66, 67,
87, 88, 89, 61, 62, 63, 110, 95, 96, 149,
123, 124, 125, 126, 160, 161, 180, 181, 98, 100,
105, 102, 103, 152, 135, 136, 137, 53, 54, 11,
21, 22, 23, 56, 107, 155, 31, 202, 225, 117,
118, 25, 182, 183, 198, 115, 159
};

/\ YYTABLE\[\text{YYPACT}\[\text{STATE-NUM}\]] -- What to do in state \text{STATE-NUM}. If
positive, shift that token. If negative, reduce the rule whose
number is the opposite. If YYTABLE\_NINF, syntax error. */
static const yytype_int16 yytable[] =
{
static const yytype_int16 yycheck[] =
{
    14, 15, 16, 37, 60, 25, 62, 11, 25, 65,
    30, 31, 34, 30, 29, 21, 22, 23, 24, 23,
    24, 74, 119, 29, 96, 81, 82, 83, 84, 36,
    37, 103, 12, 17, 47, 61, 64, 119, 123, 124,
    66, 67, 25, 69, 129, 150, 151, 30, 32, 153,
    54, 155, 149, 128, 67, 69, 131, 71, 38, 73,
    88, 75, 118, 77, 153, 87, 155, 149, 155, 83,
    123, 124, 154, 80, 25, 26, 129, 91, 150, 151,
    153, 154, 153, 153, 155, 155, 153, 153, 155,
    153, 154, 186, 187, 153, 153, 0, 154, 87,
    155, 153, 116, 157, 155, 154, 121, 122, 128, 156,
    154, 128, 153, 128, 120, 149, 210, 211, 212, 213,
    124, 156, 153, 127, 156, 154, 156, 141, 67, 154,
    144, 145, 136, 154, 138, 150, 151, 152, 154, 88,
    62, 153, 156, 154, 158, 154, 156, 80, 156, 154,
    37, 129, 154, 156, 154, 156, 154, 153, 53,
    154, 153, 166, 154, 154, 154, 116, 154, 153, 192,
    156, 153, 153, -1, 153, 189, 190, 191, 192, 153,
    153, 153, 153, 153, 153, 153, -1, 154, 154,
    154, 154, 154, 154, 154, 154, 154, 154, 154,
    -1, -1, -1, 181, 158
};
/* YYSTOS[STATE-NUM] -- The (internal number of the) accessing symbol of state STATE-NUM. */
static const yytype_uint8 yystos[] =
{
  0,  29,  121,  122,  128,  151,  152,  160,  161,
  163,  198,  155,  153,  153,  153,  153,  0,  25,
  30,  199,  200,  201,  157,  210,  210,  200,  128,  131,
  162,  205,  205,  205,  162,  155,  155,  210,  210,
  161,  156,  165,  162,  154,  154,  166,  21,  22,
  23,  24,  120,  196,  197,  198,  202,  202,  200,  119,
  149,  172,  173,  174,  164,  37,  167,  168,  174,  153,
  155,  153,  153,  155,  153,  155,  155,  155,  199,
  210,  156,  153,  153,  154,  172,  169,  170,  171,
  173,  153,  154,  167,  205,  176,  177,  205,  187,  205,
  188,  205,  190,  191,  205,  189,  87,  203,  196,  205,
  175,  154,  169,  34,  87,  214,  205,  208,  209,  154,
  156,  31,  128,  179,  180,  181,  182,  201,  154,  156,
  154,  156,  156,  128,  193,  194,  195,  201,  154,
  156,  153,  154,  153,  153,  209,  154,  153,  178,
  210,  210,  192,  210,  210,  204,  205,  205,  205,  215,
  183,  184,  179,  179,  193,  193,  154,  204,  154,  215,
  154,  154,  60,  62,  65,  81,  82,  83,  84,  118,
  185,  186,  211,  212,  210,  153,  153,  153,  153,
  153,  153,  185,  61,  66,  67,  69,  213,  123,
  124,  129,  206,  206,  206,  129,  205,  205,  205,  208,
  153,  153,  153,  154,  154,  154,  154,  154,  154,
  154,  154,  206,  74,  206,  207,  206,  206,  154,  154,
  154,  154
};

/* YYR1[YYN] -- Symbol number of symbol that rule YYN derives. */
static const yytype_uint8 yyr1[] =
{
  0,  159,  160,  161,  161,  162,  164,  163,  165,
  163,  163,  166,  163,  163,  167,  167,  168,  168,
  169,  169,  171,  170,  170,  172,  172,  173,  173,
  174,  177,  178,  176,  179,  179,  179,  180,  180,  181,
  182,  184,  183,  185,  186,  187,  188,  189,  191,
  192,  190,  193,  193,  193,  194,  195,  196,  197,
  197,  197,  197,  197,  197,  197,  197,  197,  197,
  198,  199,  200,  200,  201,  201,  202,  203,  203,  204,
  204,  205,  205,  206,  206,  206,  207,  207,  208,  209,
  209,  210,  210,  211,  211,  211,  211,  211,  211,
  211,  212,  211,  213,  213,  213,  213,  214,  214,  215,
  215
};

/* YYR2[YYN] -- Number of symbols on the right hand side of rule YYN. */
static const yytype_uint8 yyr2[] =
{
    0, 2, 2, 3, 3, 0, 1, 0, 7, 0,
    6, 4, 4, 0, 6, 1, 2, 0, 4, 1,
    2, 0, 0, 2, 1, 2, 0, 4, 1, 0,
    4, 0, 0, 3, 3, 3, 0, 1, 1, 1,
    4, 0, 2, 0, 1, 0, 0, 0, 0, 0,
    0, 3, 3, 3, 0, 1, 1, 3, 0, 4,
    4, 4, 4, 4, 4, 4, 4, 4, 4, 1,
    4, 1, 3, 0, 4, 4, 3, 5, 0, 2,
    0, 1, 1, 1, 1, 1, 1, 1, 1, 2,
    0, 1, 2, 4, 4, 4, 4, 4, 4, 4,
    4, 0, 2, 4, 4, 4, 4, 4, 4, 2,
    0
};

#define yyerrok         (yyerrstatus = 0)
#define yyclearin       (yychar = YYEMPTY)
#define YYEMPTY         (-2)
#define YYEOF           0
#define YYACCEPT        goto yyacceptlab
#define YYABORT         goto yyabortlab
#define YYERROR         goto yyerrorlab
#define YYRECOVERING()  (!!yyerrstatus)

#define YYTERROR        1

/* Error token number */
#define YYBACKUP(Token, Value)                                  
    do                                                          
    if (yychar == YYEMPTY)                                      
    {                                                           
        yychar = (Token);                                       
        yylval = (Value);                                      
        YYPOPSTACK (yylen);                                    
        yystate = *yyssp;                                      
        goto yybackup;                                         
    }                                                           
    else                                                        
    {                                                           
        yyerror (&yylloc, lexer, result, arg, YY_("syntax error: cannot back up"));
        YYERROR;                                                
    }                                                           
    while (0)

/* Error token number */
#define YYTERROR        1
/* YYLLOC_DEFAULT -- Set CURRENT to span from RHS[1] to RHS[N].  
   If N is 0, then set CURRENT to the empty location which ends  
   the previous symbol: RHS[0] (always defined). */

#ifndef YYLLOC_DEFAULT
#define YYLLOC_DEFAULT(Current, Rhs, N)                                
  do                                                                  
    if (N)                                                            
    {                                                               
      (Current).first_line   = YYRHSLOC (Rhs, 1).first_line;        
      (Current).first_column = YYRHSLOC (Rhs, 1).first_column;      
      (Current).last_line    = YYRHSLOC (Rhs, N).last_line;         
      (Current).last_column  = YYRHSLOC (Rhs, N).last_column;       
    }                                                               
    else                                                              
    {                                                               
      (Current).first_line   = (Current).last_line   =              
        YYRHSLOC (Rhs, 0).last_line;                                
      (Current).first_column = (Current).last_column =              
        YYRHSLOC (Rhs, 0).last_column;                              
    }                                                               
  while (0)
#endif

#define YYRHSLOC(Rhs, K) ((Rhs)[K])

/* Enable debugging if requested. */
#if YYDEBUG
#if ! defined YYFPRINTF
#include <stdio.h> /* INFRINGES ON USER NAME SPACE */
define YYFPRINTF fprintf
#endif
#define YYDPRINTF(Args)                        
do {                                            
  if (yydebug)                                  
    YYFPRINTF Args;                             
} while (0)

/* YY_LOCATION_PRINT -- Print the location on the stream.  
   This macro was not mandated originally: define only if we know  
   we won't break user code: when these are the locations we know. */
#ifndef YY_LOCATION_PRINT
# if defined YYLTYPE_IS_TRIVIAL && YYLTYPE_IS_TRIVIAL

/* Print *YYLOCP on YYO. Private, do not rely on its existence. */

YY_ATTRIBUTE_UNUSED
static unsigned
yy_location_print_ (FILE *yyo, YYLTYPE const * const yylocp)
{
    unsigned res = 0;
    int end_col = 0 != yylocp->last_column ? yylocp->last_column - 1 : 0;
    if (0 <= yylocp->first_line)
    {
        res += YYPRINTF (yyo, "%d", yylocp->first_line);
        if (0 <= yylocp->first_column)
            res += YYPRINTF (yyo, ".%d", yylocp->first_column);
    }
    if (0 <= yylocp->last_line)
    {
        if (yylocp->first_line < yylocp->last_line)
        {
            res += YYPRINTF (yyo, "-%d", yylocp->last_line);
            if (0 <= end_col)
                res += YYPRINTF (yyo, ".%d", end_col);
        }
        else if (0 <= end_col && yylocp->first_column < end_col)
            res += YYPRINTF (yyo, "-%d", end_col);
    }
    return res;
}

#define YY_LOCATION_PRINT(File, Loc)          \
    yy_location_print_ (File, &(Loc))
# else
#  define YY_LOCATION_PRINT(File, Loc) ((void) 0)
# endif
#endif

#define YY_SYMBOL_PRINT(Title, Type, Value, Location)                    \
    do {                                                                      \
        if (yydebug)                                                            \
        {
            YYPRINTF (stderr, "%s", Title);                                  \
            yy_symbol_print (stderr,                                            \
                Type, Value, Location, lexer, result, arg);
        } 
        else
            
        
    } 

#define YY_SYMBOL_PRINT(Title, Type, Value, Location)                    \
    do {                                                                      \
        if (yydebug)                                                            \
        {
            YYPRINTF (stderr, "%s", Title);                                  \
            yy_symbol_print (stderr,                                            \
                Type, Value, Location, lexer, result, arg);
        } 
        else
            
        
    } 

Open Source Used In wbxS 1-0
YYPRINTF (stderr, "\n");
}
}
while (0)

/*-----------------------------.
| Print this symbol's value on YYOUTPUT. |
'-----------------------------*/

static void
yy_symbol_value_print (FILE *yyoutput, int yytype, YYSTYPE const * const yyvaluep, YYLTYPE const * const yylocationp, CfgLexer *lexer, LogExprNode **result, gpointer arg)
{
  FILE *yyo = yyoutput;
  YYUSE (yyo);
  YYUSE (yylocationp);
  YYUSE (lexer);
  YYUSE (result);
  YYUSE (arg);
  if (!yyvaluep)
    return;
  #ifdef YYPRINT
  if (yytype < YYNTOKENS)
    YYPRINT (yyoutput, yytoknum[yytype], *yyvaluep);
  #endif
  YYUSE (yytype);
}

/*-----------------------------.
| Print this symbol on YYOUTPUT. |
'-----------------------------*/

static void
yy_symbol_print (FILE *yyoutput, int yytype, YYSTYPE const * const yyvaluep, YYLTYPE const * const yylocationp, CfgLexer *lexer, LogExprNode **result, gpointer arg)
{
  YYFPRINTF (yyoutput, "%s %s (",
    yytype < YYNTOKENS ? "token" : "nterm", yytname[yytype]);
  YY_LOCATION_PRINT (yyoutput, *yylocationp);
  YYPRINTF (yyoutput, ": ");
  yy_symbol_value_print (yyoutput, yytype, yyvaluep, yylocationp, lexer, result, arg);
  YYPRINTF (yyoutput, ")");
}

/*------------------------------------------------------------------.
| yy_stack_print -- Print the state stack from its BOTTOM up to its |
static void
yy_stack_print (yytype_int16 *yybottom, yytype_int16 *yytop)
{
  YYFPRINTF (stderr, "Stack now");
  for (; yybottom <= yytop; yybottom++)
  {
    int yybot = *yybottom;
    YYFPRINTF (stderr, " %d", yybot);
  }
  YYFPRINTF (stderr, ");"
}

#define YY_STACK_PRINT(Bottom, Top)                            
  do {                                                            
    if (yydebug)                                                  
      yy_stack_print ((Bottom), (Top));                           
  } while (0)

/*------------------------------------------------.  
| Report that the YYRULE is going to be reduced.  |  
'------------------------------------------------*/
static void
yy_reduce_print (yytype_int16 *yyssp, YYSTYPE *yyvsp, YYLTYPE *yylsp, int yyrule, CfgLexer *lexer, 
LogExprNode **result, gpointer arg)
{
  unsigned long int yylno = yyrline[yyrule];
  int yynrhs = yyr2[yyrule];
  int yyi;
  YYFPRINTF (stderr, "Reducing stack by rule %d (line %lu):
      
      yyrule - 1, yylno);
  /* The symbols being reduced. */
  for (yyi = 0; yyi < yynrhs; yyi++)
  {
    YYFPRINTF (stderr, " $%d = ", yyi + 1);
    yy_symbol_print (stderr, 
      yystos[yyssp[yyi + 1 - yynrhs]],
      &yyvsp[(yyi + 1) - (yynrhs)],
      &yylsp[(yyi + 1) - (yynrhs)], lexer, result, arg);
    YYFPRINTF (stderr, ");"
  }"}

do {
    \
    if (yydebug) \
        yy_reduce_print (yyssp, yyvsp, yylsp, Rule, lexer, result, arg); \
} while (0)

/* Nonzero means print parse trace. It is left uninitialized so that
   multiple parsers can coexist. */
int yydebug;
#else /* !YYDEBUG */
# define YYDPRINTF(Args)
# define YY_SYMBOL_PRINT(Title, Type, Value, Location)
# define YY_STACK_PRINT(Bottom, Top)
# define YY_REDUCE_PRINT(Rule)
#endif /* !YYDEBUG */
/* YYINITDEPTH -- initial size of the parser's stacks. */
#if YYERROR_VERBOSE
# ifndef yystrlen
#  if defined __GLIBC__ && defined _STRING_H
#   define yystrlen strlen
#  else
/* Return the length of YYSTR. */
static YYSIZE_T
yystrlen (const char *yystr)
{
    YYSIZE_T yylelen;
    for (yylelen = 0; yystr[yylelen]; yylelen++)
        continue;
    return yylelen;
}
# ifndef yystpcpy
# if defined __GLIBC__ && defined _STRING_H && defined _GNU_SOURCE
# define yystpcpy stpcpy
# else
/* Copy YYSRC to YYDEST, returning the address of the terminating \0 in
YYDEST. */
static char *
ycopy (char *yydest, const char *yysrc)
{
char *yyd = yydest;
const char *yys = yysrc;

while ((*yyd++ = *yys++) != '\0')
continue;

return yyd - 1;
}
#endif
#endif
#endif

# ifndef yytnamerr
/* Copy to YYRES the contents of YYSTR after stripping away unnecessary
quotes and backslashes, so that it's suitable for yyerror. The
heuristic is that double-quotining is unnecessary unless the string
contains an apostrophe, a comma, or backslash (other than
backslash-backslash). YYSTR is taken from yytname. If YYRES is
null, do not copy; instead, return the length of what the result
would have been. */
static YYSIZE_T
ycopy (char *yyres, const char *yystr)
{
if (*yystr == '"')
{
YYSIZE_T yyn = 0;
char const *yyp = yystr;

for (;;)
switch (*++yyp)
{
  case '\'::
  case '·':
    goto do_not_strip_quotes;

  case \W:
    if (*++yyp != \W)
{
goto do_not_strip_quotes;
/* Fall through. */
default:
if (yyres)
    yyres[yyn] = *yyp;
    yyn++;
    break;

    case '"':
    if (yyres)
        yyres[yyn] = '\0';
        return yyn;
    }
do_not_strip_quotes: ;
}

if (! yyres)
    return yystrlen (yystr);

return yystpcpy (yyres, yystr) - yyres;
}
#endif

/* Copy into *YYMSG, which is of size *YYMSG_ALLOC, an error message
about the unexpected token YYTOKEN for the state stack whose top is
YYSSP.

Return 0 if *YYMSG was successfully written. Return 1 if *YYMSG is
not large enough to hold the message. In that case, also set
*YYMSG_ALLOC to the required number of bytes. Return 2 if the
required number of bytes is too large to store. */
static int
yysyntax_error (YYSIZE_T *yymsg_alloc, char **yymsg,
yytype_int16 *yyssp, int yytoken)
{
    YYSIZE_T yysize0 = yytnamerr (YY_NULLPTR, yytname[yytoken]);
    YYSIZE_T yysize = yysize0;
    enum { YYERROR_VERBOSE_ARGS_MAXIMUM = 5 };
    /* Internationalized format string. */
    const char *yyformat = YY_NULLPTR;
    /* Arguments of yyformat. */
    char const *yyarg[YYERROR_VERBOSE_ARGS_MAXIMUM];
    /* Number of reported tokens (one for the "unexpected", one per
    "expected"). */
    int yycount = 0;

    /* There are many possibilities here to consider:
        - If this state is a consistent state with a default action, then
the only way this function was invoked is if the default action
is an error action. In that case, don't check for expected
tokens because there are none.

- The only way there can be no lookahead present (in yychar) is if
  this state is a consistent state with a default action. Thus,
detecting the absence of a lookahead is sufficient to determine
that there is no unexpected or expected token to report. In that
case, just report a simple "syntax error".
- Don't assume there isn't a lookahead just because this state is a
  consistent state with a default action. There might have been a
  previous inconsistent state, consistent state with a non-default
  action, or user semantic action that manipulated yychar.
- Of course, the expected token list depends on states to have
correct lookahead information, and it depends on the parser not
to perform extra reductions after fetching a lookahead from the
scanner and before detecting a syntax error. Thus, state merging
(from LALR or IELR) and default reductions corrupt the expected
token list. However, the list is correct for canonical LR with
one exception: it will still contain any token that will not be
accepted due to an error action in a later state.

*/
if (yytoken != YYEMPTY)
{
    int yyn = yypact[*yyssp];
    yyarg[yycount++] = yytname[yytoken];
    if (!yypact_value_is_default (yyn))
    {
        /* Start YYX at -YYN if negative to avoid negative indexes in
           YYCHECK. In other words, skip the first -YYN actions for
           this state because they are default actions. */
        int yyxbegin = yyn < 0 ? -yyn : 0;
        /* Stay within bounds of both yycheck and yytname. */
        int yychecklim = YYLAST - yyn + 1;
        int yyxend = yychecklim < YYNTOKENS ? yychecklim : YYNTOKENS;
        int yyx;
        for (yyx = yyxbegin; yyx < yyxend; ++yyx)
        {
            if (yycheck[yyx + yyn] == yyx && !yyttable_value_is_error (yytable[yyx + yyn]))
            {
                if (yycount == YYERROR_VERBOSE_ARGS_MAXIMUM)
                {
                    yycount = 1;
                    yysize = yysize0;
                    break;
                }
                yyarg[yycount++] = yytname[yyx];
            }
        }
    }
}
YYSIZE_T yysize1 = yysize + yystrlen (yyformat);  
if (! (yysize <= yysize1  
    && yysize1 <= YYSTACK_ALLOC_MAXIMUM))  
    return 2;  
yysize = yysize1;  
if (*yymsg_alloc < yysize)  
    {  
        *yymsg_alloc = 2 * yysize;  
        if (! (yysize <= *yymsg_alloc  
            && *yymsg_alloc <= YYSTACK_ALLOC_MAXIMUM))  
            *yymsg_alloc = YYSTACK_ALLOC_MAXIMUM;  
        return 1;  
    }  
/* Avoid sprintf, as that infringes on the user's name space.  
   Don't have undefined behavior even if the translation  
   produced a string with the wrong number of "%s"s. */  
{  
    char *yyp = *yymsg;  
    int yyi = 0;  
    while ((yyp = *yyformat) != '\0')
if (*yyp == '%' && yyformat[1] == 's' && yyi < yycount)
{
    yyp += yytnameerr (yyp, yyarg[yyi++]);
    yyformat += 2;
}
else
{
    yyp++;
    yyformat++;
}
}
return 0;
#endif /* YYERROR_VERBOSE */

/*-----------------------------
 | Release the memory associated to this symbol. |
 `-----------------------------------------------*/

static void
yydestruct (const char *yymsg, int yytype, YYSTYPE *yyvaluep, YYLTYPE *yylocationp, CfgLexer *lexer,
LogExprNode **result, gpointer arg)
{
    YYUSE (yyvaluep);
    YYUSE (yylocationp);
    YYUSE (lexer);
    YYUSE (result);
    YYUSE (arg);
    if (!yymsg)
        yymsg = "Deleting";
    YY_SYMBOL_PRINT (yymsg, yytype, yyvaluep, yylocationp);
    YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
    YY_IGNORE_MAYBE_UNINITIALIZED_END
}

/*----------
 | yyparse. |
 `----------*/

int
yyparse (CfgLexer *lexer, LogExprNode **result, gpointer arg)
{
    /* The lookahead symbol. */
int yychar;

/* The semantic value of the lookahead symbol. */
/* Default value used for initialization, for pacifying older GCCs
 or non-GCC compilers. */
YY_INITIAL_VALUE (static YYSTYPE yyval_default;
YYSTYPE yylval YY_INITIAL_VALUE (= yyval_default);

/* Location data for the lookahead symbol. */
static YYLTYPE yyloc_default
#if defined YYLTYPE_IS_TRIVIAL && YYLTYPE_IS_TRIVIAL
 = { 1, 1, 1, 1 }
#endif
YYLTYPE yylloc = yyloc_default;

/* Number of syntax errors so far. */
int yynerrs;

int yystate;
/* Number of tokens to shift before error messages enabled. */
int yyerrstatus;

/* The stacks and their tools:
'yyss': related to states.
'yyvs': related to semantic values.
'yyls': related to locations.
Refer to the stacks through separate pointers, to allow yyoverflow
to reallocate them elsewhere. */

/* The state stack. */
yytype_int16 yyssa[YYINITDEPTH];
yytype_int16 *yyss;
yytype_int16 *yyssp;

/* The semantic value stack. */
YYSTYPE yyvsa[YYINITDEPTH];
YYSTYPE *yyvs;
YYSTYPE *yyvsp;

/* The location stack. */
YYLTYPE yylsa[YYINITDEPTH];
YYLTYPE *yyls;
YYLTYPE *yylsp;

/* The locations where the error started and ended. */
YYLTYPE yyerror_range[3];

YYSIZE_T yystacksize;

int yyn;
int yyresult;
/* Lookahead token as an internal (translated) token number. */
int yytoken = 0;
/* The variables used to return semantic value and location from the
   action routines. */
YYSTYPE yyval;
YYLTYPE yyloc;

#if YYERROR_VERBOSE
/* Buffer for error messages, and its allocated size. */
char yymsgbuf[128];
char *yymsg = yymsgbuf;
YYSIZE_T yymsg_alloc = sizeof yymsgbuf;
#endif

#define YYPOPSTACK(N)   (yyvsp -= (N), yyssp -= (N), yylsp -= (N))
/* The number of symbols on the RHS of the reduced rule.
   Keep to zero when no symbol should be popped. */
int yylen = 0;

yyssp = yyss = yyssa;
yyvalsp = yyvs = yyvs,
yyvsp = yyssp = yyss;
yyloc = yyloc;
yystacksize = YYINITDEPTH;

YYDPRINTF ((stderr, "Starting parse
"));

ystate = 0;
yyerrstatus = 0;
yynerrs = 0;
 yychar = YYEMPTY; /* Cause a token to be read. */
 yylocp[0] = yyloc;
goto yysetstate;

/*---------------------------------------------.
 | yynewstate -- Push a new state, which is found in yystate. |
 | '----------------------------------------------- */
 yynewstate:
/* In all cases, when you get here, the value and location stacks
   have just been pushed. So pushing a state here evens the stacks. */
yyssp++;
yysetstate:
*yyssp = yystate;

if (yyss + yystacksize - 1 <= yyssp)
{
    /* Get the current used size of the three stacks, in elements. */
    YYSIZE_T yysize = yyssp - yyss + 1;

#ifdef yyoverflow

    /* Give user a chance to reallocate the stack. Use copies of
these so that the &'s don't force the real ones into
memory. */
    YYSTYPE *yyvs1 = yyvs;
    yytype_int16 *yyss1 = yyss;
    YYLTYPE *yyls1 = yyls;

    /* Each stack pointer address is followed by the size of the
data in use in that stack, in bytes. This used to be a
conditional around just the two extra args, but that might
be undefined if yyoverflow is a macro. */
    yyoverflow (YY_("memory exhausted"),
        &yyss1, yysize * sizeof (*yyssp),
        &yyvs1, yysize * sizeof (*yyvsp),
        &yyls1, yysize * sizeof (*yylsp),
        &yystacksize);

    yyls = yyls1;
    yyss = yyss1;
    yyvs = yyvs1;

#else /* no yyoverflow */
    #ifndef YYSTACK_RELOCATE
    goto yyexhaustedlab;
    #else
    /* Extend the stack our own way. */
    if (YYMAXDEPTH <= yystacksize)
        goto yyexhaustedlab;
    yystacksize *= 2;
    if (YYMAXDEPTH < yystacksize)
        yystacksize = YYMAXDEPTH;

    yytype_int16 *yyss1 = yyss;
    union yyalloc *yyptr =
        (union yyalloc *) YYSTACK_ALLOC (YYSTACK_BYTES (yystacksize));

    if (! yyptr)
        goto yyexhaustedlab;
#endif

#endif
YYSTACK_RELOCATE (yyss_alloc, yyss);
YYSTACK_RELOCATE (yyvs_alloc, yyvs);
YYSTACK_RELOCATE (yyls_alloc, yyls);
#endif /* no yyoverflow */

yyssp = yyss + yysize - 1;
yyvsp = yyvs + yysize - 1;
yylsp = yyls + yysize - 1;

YYDPRINTF ((stderr, "Stack size increased to %lu\n",
(unsigned long int) yystacksize);

if (yyss + yystacksize - 1 <= yyssp)
  YYABORT;
}

YYDPRINTF ((stderr, "Entering state %d\n", yystate));

if (yystate == YYFINAL)
  YYACCEPT;

goto yybackup;

/* Do appropriate processing given the current state. Read a
  lookahead token if we need one and don't already have one. */

/* First try to decide what to do without reference to lookahead token. */
yyn = yypact[yystate];
if (yypact_value_is_default (yyn))
  goto yydefault;

/* Not known => get a lookahead token if don't already have one. */

/* YYCHAR is either YYEMPTY or YYEOF or a valid lookahead symbol. */
if (yychar == YYEMPTY)
  {
    YYDPRINTF ((stderr, "Reading a token: ");
    yychar = yylex (&yylval, &yylloc, lexer);
if (yychar <= YYEOF) {
    yychar = yytoken = YYEOF;
    YYDPRINTF ((stderr, "Now at end of input\n");
} else {
    yytoken = YYTRANSLATE (yychar);
    YY_SYMBOL_PRINT ("Next token is", yytoken, &yylval, &yylloc);
}

/* If the proper action on seeing token YYTOKEN is to reduce or to 
   detect an error, take that action. */
yyn += yytoken;
if (yyn < 0 || YYLAST < yyn || yycheck[yyn] != yytoken)
    goto yydefault;
yyn = yytable[yyn];
if (yyn <= 0) {
    if (yytable_value_is_error (yyn))
        goto yyerrlab;
yyn = -yyn;
goto yyreduce;
}

/* Count tokens shifted since error; after three, turn off error 
   status. */
if (yyerrstatus)
    yyerrstatus--;

/* Shift the lookahead token. */
YY_SYMBOL_PRINT ("Shifting", yytoken, &yylval, &yylloc);

/* Discard the shifted token. */
yychar = YYEMPTY;

ystate = yyn;
YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
*++yyvsp = yylval;
YY_IGNORE_MAYBE_UNINITIALIZED_END
*++yylsp = yylloc;
goto yynewstate;

/*-----------------------------------------------*/
| yydefault -- do the default action for the current state. |
yydefault:
  yyn = yydefact[yystate];
if (yyn == 0)
    goto yyerrlab;
  goto yyreduce;

#define yyreduce -- Do a reduction. 
/*---------------------------------------------*/
yyreduce:
/* yyn is the number of a rule to reduce with. */
yylen = yyr2[yyn];

/* If YYLEN is nonzero, implement the default value of the action:
   '$$ = 1'. 
Otherwise, the following line sets YYVAL to garbage.
This behavior is undocumented and Bison users should not rely upon it. Assigning to YYVAL
unconditionally makes the parser a bit smaller, and it avoids a GCC warning that YYVAL may be used uninitialized. */
yyval = yvsp[1-yylen];

/* Default location. */
YYLLOC_DEFAULT (yyloc, (yylsp - yylen), yylen);
YY_REDUCE_PRINT (yyn);
switch (yyn)
{
case 2:
  
#line 387 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  
    { *result = log_expr_node_append_tail((yyvsp[-1].ptr), (yyvsp[0].ptr)); if (yychar != YYEMPTY) { 
      cfg_lexer_unput_token(lexer, &yylval); } YYACCEPT; }
  
#line 2942 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  
    break;

case 3:
  
#line 391 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  
    { (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])), (yyvsp[0].ptr)); } 
  
#line 2948 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  
    break;

case 4:
  
#line 392 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  
    { (yyval.ptr) = log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr)); } 
  
#line 2954 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 5:
#line 393 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = NULL; }
#line 2960 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 6:
#line 398 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { GError *error = NULL;

    (yyval.ptr) = log_template_new(configuration, (yyvsp[0].cptr));
    CHECK_ERROR_GERROR(log_template_compile((yyval.ptr), (yyvsp[0].cptr), &error), (yylsp[0]), error, "error compiling replacement");
    free((yyvsp[0].cptr));
    }
#line 2972 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 7:
#line 409 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { last_rewrite = log_rewrite_subst_new((yyvsp[0].ptr), configuration);
    log_template_unref((yyvsp[0].ptr));
    }
#line 2981 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 8:
#line 414 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { GError *error = NULL;
        CHECK_ERROR_GERROR(log_rewrite_subst_compile_pattern(last_rewrite, (yyvsp[-4].cptr), &error), (yylsp[-4]), error, "error compiling search pattern");
        free((yyvsp[-4].cptr));
        (yyval.ptr) = last_rewrite;
        }
#line 2992 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 9:
#line 421 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { last_rewrite = log_rewrite_set_new((yyvsp[0].ptr), configuration);
    log_template_unref((yyvsp[0].ptr));
    }
#line 3001 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 10:
#line 425 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = last_rewrite; }
#line 3007 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 11:
#line 426 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_rewrite_set_tag_new((yyvsp[-1].cptr), TRUE, configuration); free((yyvsp[-1].cptr)); }
#line 3013 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 12:
#line 427 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_rewrite_set_tag_new((yyvsp[-1].cptr), FALSE, configuration); free((yyvsp[-1].cptr)); }
#line 3019 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 13:
#line 429 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ last_rewrite = log_rewrite_groupset_new((yyvsp[0].ptr), configuration); log_template_unref((yyvsp[0].ptr)); }
#line 3028 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 14:
#line 433 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = last_rewrite; }
#line 3034 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 15:
#line 436 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ Plugin *p;
gint context = LL_CONTEXT_REWRITE;

    p = plugin_find(configuration, context, (yyvsp[0].cptr));
    CHECK_ERROR(p, (yylsp[0]), "%s plugin %s not found",
      cfg_lexer_lookup_context_name_by_type(context), (yyvsp[0].cptr));

    last_rewrite = (LogRewrite *) plugin_parse_config(p, configuration, &(yylsp[0]), NULL);
    free((yyvsp[0].cptr)); }
if (!last_rewrite) {
    YYERROR;
}
(yyval.ptr) = last_rewrite;
}
#line 3054 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */ break;

    case 18:
    #line 460 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        {
            log_rewrite_groupset_add_fields(last_rewrite, (yyvsp[-1].ptr));
        }
    #line 3062 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */ break;

    case 22:
    #line 472 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        {
            last_matcher_options = log_rewrite_subst_get_matcher_options(last_rewrite);
        }
    #line 3068 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */ break;

    case 27:
    #line 483 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        {
            const gchar *p = (yyvsp[-1].cptr);
            if (p[0] == '$')
                {
                    msg_warning("Value references in rewrite rules should not use the '$' prefix, those are only needed in templates",
                        evt_tag_str("value", (yyvsp[-1].cptr)),
                        NULL);
                    p++;  
                
                
            last_rewrite->value_handle = log_msg_get_value_handle(p);
            CHECK_ERROR(!log_msg_is_handle_macro(last_rewrite->value_handle), (yylsp[-1]), "%s is read-only, it cannot be changed in rewrite rules", p);
            CHECK_ERROR(!log_msg_is_value_name_valid(p), (yylsp[-1]), "%s is not a valid name for a name-value pair, perhaps a misspelled .SDATA reference?", p);
            free((yyvsp[-1].cptr));
        }
    #line 3087 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */ break;

    case 29:
    #line 502 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { 
        }

FilterExprNode *filter_expr;

CHECK_ERROR_WITHOUT_MESSAGE(cfg_parser_parse(&filter_expr_parser, lexer, (gpointer *)&filter_expr, NULL), (yylsp[-1]));
    log_rewrite_set_condition(last_rewrite, filter_expr);
}
#line 3098 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 31:
#line 514 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { cfg_lexer_push_context(lexer, LL_CONTEXT_SOURCE, NULL, "source"); }
#line 3104 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 32:
#line 516 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { cfg_lexer_pop_context(lexer); }
#line 3110 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 33:
#line 517 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc));
    }
#line 3118 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 34:
#line 523 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])), (yyvsp[0].ptr));
    }
#line 3124 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 35:
#line 524 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        (yyval.ptr) = log_expr_node_append_tail((yyval.ptr), (yyval.ptr[0].ptr));
    }
#line 3130 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 36:
#line 525 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        (yyval.ptr) = NULL;
    }
#line 3136 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;
case 37:
#line 529 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = (yyvsp[0].ptr); }
#line 3142 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 38:
#line 530 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = (yyvsp[0].ptr); }
#line 3148 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 39:
#line 535 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
    Plugin *p;
    gint context = LL_CONTEXT_SOURCE;
    p = plugin_find(configuration, context, (yyvsp[0].cptr));
    CHECK_ERROR(p, (yylsp[0]), "%s plugin %s not found",
             cfg_lexer_lookup_context_name_by_type(context), (yyvsp[0].cptr));
    last_driver = (LogDriver *) plugin_parse_config(p, configuration, &(yylsp[0]), NULL);
    free((yyvsp[0].cptr));
    if (!last_driver)
        { YYERROR;
        (yyval.ptr) = last_driver;
        }
#line 3168 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 40:
#line 553 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = (yyvsp[-1].ptr); }
#line 3174 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 41:
#line 557 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
    last_driver = afinter_sd_new(configuration);
    last_source_options = &((AFInterSourceDriver *) last_driver)->source_options;
}
#line 3183 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;
case 42:
#line 561 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = last_driver; }
#line 3189 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 46:
#line 575 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        FilterExprNode *last_filter_expr = NULL;

        CHECK_ERROR_WITHOUT_MESSAGE(cfg_parser_parse(&filter_expr_parser, lexer, (gpointer *)
            &last_filter_expr, NULL), (yyloc));

        (yyval.ptr) = log_expr_node_new_pipe(log_filter_pipe_new(last_filter_expr, configuration), &(yyloc));
    }
#line 3201 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 47:
#line 586 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        LogExprNode *last_parser_expr = NULL;

        CHECK_ERROR_WITHOUT_MESSAGE(cfg_parser_parse(&parser_expr_parser, lexer, (gpointer *)
            &last_parser_expr, NULL), (yyloc));

        (yyval.ptr) = last_parser_expr;
    }
#line 3212 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 48:
#line 596 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    {
        LogExprNode *last_rewrite_expr = NULL;

        CHECK_ERROR_WITHOUT_MESSAGE(cfg_parser_parse(&rewrite_expr_parser, lexer, (gpointer *)
            &last_rewrite_expr, NULL), (yyloc));

        (yyval.ptr) = last_rewrite_expr;
    }
#line 3223 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 49:
#line 605 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { cfg_lexer_push_context(lexer, LL_CONTEXT_DESTINATION, NULL, "destination"); }
#line 3229 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
case 50:
#line 607 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ cfg_lexer_pop_context(lexer); }
#line 3235 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 51:
#line 608 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
   (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc));
}
#line 3243 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 52:
#line 616 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])),
(yyvsp[0].ptr)); }
#line 3249 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 53:
#line 617 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr)); }
#line 3255 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 54:
#line 618 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = NULL; }
#line 3261 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 55:
#line 622 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = (yyvsp[0].ptr); }
#line 3267 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 56:
#line 627 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{
   Plugin *p;
   gint context = LL_CONTEXT_DESTINATION;

   p = plugin_find(configuration, context, (yyvsp[0].cptr));
   CHECK_ERROR(p, (yylsp[0]), "%s plugin %s not found",}
cfg_lexer_lookup_context_name_by_type(context), (yyvsp[0].cptr));

last_driver = (LogDriver *) plugin_parse_config(p, configuration, &(yyvsp[0]), NULL);
free((yyvsp[0].cptr));
if (!last_driver)
{
    YYERROR;
}
(yyval.ptr) = last_driver;
}
#line 3287 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 57:
#line 645 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr)); (yyval.ptr) = (yyvsp[-2].ptr); }
#line 3293 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 58:
#line 646 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = NULL; }
#line 3299 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 59:
#line 650 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_expr_node_new_source_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3305 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 60:
#line 651 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_expr_node_new_source(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3311 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 61:
#line 652 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_expr_node_new_filter_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3317 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 62:
#line 653 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = log_expr_node_new_filter(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3323 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;
case 63:
#line 654 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_parser_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3329 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 64:
#line 655 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_parser(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3335 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 65:
#line 656 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_rewrite_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3341 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 66:
#line 657 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_rewrite(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3347 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 67:
#line 658 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_destination_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }
#line 3353 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 68:
#line 659 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_destination(NULL, (yyvsp[-1].ptr), &(yyloc)); }
#line 3359 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 69:
#line 660 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = (yyvsp[0].ptr); }
#line 3365 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

case 70:
#line 664 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc)); }
#line 3371 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;
case 71:
#line 676 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.ptr) = (yyvsp[0].ptr) ? log_expr_node_new_junction((yyvsp[0].ptr), &(yylsp[0])) : NULL; }
#line 3377 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  break;

case 72:
#line 681 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { logExprNodeAppendTail((yyvsp[-2].ptr), (yyvsp[0].ptr)); (yyval.ptr) = (yyvsp[-2].ptr); }
#line 3383 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  break;

case 73:
#line 682 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.ptr) = NULL; }
#line 3389 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  break;

case 74:
#line 686 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.ptr) = (yyvsp[-1].ptr); }
#line 3395 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  break;

case 75:
#line 687 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.ptr) = logExprNodeNewLog(logExprNodeAppendTail((yyvsp[-2].ptr), (yyvsp[-1].ptr)), (yyvsp[0].num), &(yyloc)); }
#line 3401 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  break;

case 76:
#line 691 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.ptr) = logExprNodeNewLog(logExprNodeAppendTail((yyvsp[-2].ptr), (yyvsp[-1].ptr)), (yyvsp[0].num), &(yyloc)); }
#line 3407 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  break;

case 77:
#line 695 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = (yyvsp[-2].num); }
#line 3413 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
  break;

case 78:
#line 696 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = 0; }
#line 3419 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 79:
#line 700 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = log_expr_node_lookup_flag((yyvsp[-1].cptr)) | (yyval.num); free((yyvsp[-1].cptr)); }
#line 3425 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 80:
#line 701 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = 0; }
#line 3431 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 83:
#line 737 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = 1; }
#line 3437 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 84:
#line 738 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = 0; }
#line 3443 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 85:
#line 739 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = (yyval.num); }
#line 3449 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 86:
#line 743 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = (yyval.num); }
#line 3455 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 87:
#line 744 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.num) = 2; }
#line 3461 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 88:
#line 754 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
  { (yyval.ptr) = g_list_reverse((yyvsp[0].ptr)); }
#line 3467 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 89:
#line 758 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = g_list_append((yyvsp[0].ptr), g_strdup((yyvsp[-1].cptr))); free((yyvsp[-1].cptr)); }
#line 3473 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 90:
#line 759 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ (yyval.ptr) = NULL; }
#line 3479 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 93:
#line 810 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ last_source_options->init_window_size = (yyvsp[-1].num); }
#line 3485 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 94:
#line 811 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ last_source_options->chain_hostnames = (yyvsp[-1].num); }
#line 3491 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 95:
#line 812 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ last_source_options->keep_hostname = (yyvsp[-1].num); }
#line 3497 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 96:
#line 813 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ last_source_options->program_override = g_strdup((yyvsp[-1].cptr)); free((yyvsp[-1].cptr)); }
#line 3503 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 97:
#line 814 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ last_source_options->host_override = g_strdup((yyvsp[-1].cptr)); free((yyvsp[-1].cptr)); }
#line 3509 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

case 98:
#line 815 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
{ gchar *p = strchr((yyvsp[-1].cptr), ':'); if (p) *p = 0; last_source_options->program_override =
g_strdup((yyvsp[-1].cptr)); free((yyvsp[-1].cptr)); }

```
case 99:

```c
{ last_source_options->keep_timestamp = (yyvsp[-1].num); }
```

break;

case 100:

```c
{ log_source_options_set_tags(last_source_options, (yyvsp[-1].ptr)); }
```

break;

case 101:

```c
{ last_host_resolve_options = &last_source_options->host_resolve_options; }
```

break;

case 103:

```c
{ last_host_resolve_options->use_fqdn = (yyvsp[-1].num); }
```

break;

case 104:

```c
{ last_host_resolve_options->use_dns = (yyvsp[-1].num); }
```

break;

case 105:

```c
{ last_host_resolve_options->use_dns_cache = (yyvsp[-1].num); }
```

break;

case 106:

```c
{ last_host_resolve_options->normalize_hostnames = (yyvsp[-1].num); }
```

break;

case 107:

```c
{ CHECK_ERROR(log_matcher_options_set_type(last_matcher_options, (yyvsp[-1].cptr)), (yylsp[-1]),
```
"unknown matcher type"); free((yyvsp[-1].cptr));}
#line 3563 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
break;

} /* User semantic actions sometimes alter yychar, and that requires
that yytokent be updated with the new translation. We take the
approach of translating immediately before every use of yytokent.
One alternative is translating here after every semantic action,
but that translation would be missed if the semantic action invokes
YYABORT, YYACCEP'T, or YYERROR immediately after altering yychar or
if it invokes YYBACKUP. In the case of YYABORT or YYACCEPT, an
incorrect destructor might then be invoked immediately. In the
case of YYERROR or YYBACKUP, subsequent parser actions might lead
to an incorrect destructor call or verbose syntax error message
before the lookahead is translated. */
YY_SYMBOL_PRINT("-> $$ =", yyr1[yyn], &yyval, &yyloc);

YYPOPSTACK(yylen);
yylen = 0;
YY_STACK_PRINT(yyss, yyssp);

*++yyvsp = yyval;
*++yylsp = yyloc;

/* Now 'shift' the result of the reduction. Determine what state
that goes to, based on the state we popped back to and the rule
number reduced by. */

yyn = yyr1[yyn];
yystate = yypgoto[yyn - YYNTOKENS] + *yyssp;
if (0 <= yystate && yystate <= YYLAST && yycheck[yystate] == *yyssp)
yystate = yytable[yystate];
else
yystate = yydefgoto[yyn - YYNTOKENS];
goto yynewstate;
/*--------------------------------------.
| yyerrlab -- here on detecting error. |
'--------------------------------------*/
yyerrlab:
/* Make sure we have latest lookahead translation. See comments at
user semantic actions for why this is necessary. */
yytoken = yychar == YYEMPTY ? YYEMPTY : YYTRANSLATE (yychar);
/* If not already recovering from an error, report this error. */
if (!yyerrstatus)
{
++yynerrs;
#if ! YYERROR_VERBOSE
yyerror (&yylloc, lexer, result, arg, YY_("syntax error"));
#else
# define YYSYNTAX_ERROR yysyntax_error (&yymsg_alloc, &yymsg, \
yyssp, yytoken)
{
char const *yymsgp = YY_("syntax error");
int yysyntax_error_status;
yysyntax_error_status = YYSYNTAX_ERROR;
if (yysyntax_error_status == 0)
yymsgp = yymsg;
else if (yysyntax_error_status == 1)
{
if (yymsg != yymsgbuf)
YYSTACK_FREE (yymsg);
yymsg = (char *) YYSTACK_ALLOC (yymsg_alloc);
if (!yymsg)
{
yymsg = yymsgbuf;
yymsg_alloc = sizeof yymsgbuf;
yysyntax_error_status = 2;
}
else
{
yysyntax_error_status = YYSYNTAX_ERROR;
yymsgp = yymsg;
}
}
yyerror (&yylloc, lexer, result, arg, yymsgp);
if (yysyntax_error_status == 2)
goto yyexhaustedlab;
}
# undef YYSYNTAX_ERROR
#endif

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yyerror_range[1] = yylloc;

if (yyerrstatus == 3)
{
    /* If just tried and failed to reuse lookahead token after an
     * error, discard it. */

    if (yychar <= YYEOF)
    {
        /* Return failure if at end of input. */
        if (yychar == YYEOF)
            YYABORT;
    }
    else
    {
        yydestruct ("Error: discarding",
            yytoken, &yylval, &yylloc, lexer, result, arg);
        yychar = YYEMPTY;
    }
}

/* Else will try to reuse lookahead token after shifting the error
 * token. */
goto yyerrlab1;

/*---------------------------------------------------.
| yyerrorlab -- error raised explicitly by YYERROR. |
'|---------------------------------------------------*/

yyerrorlab:

/* Pacify compilers like GCC when the user code never invokes
 * YYERROR and the label yyerrorlab therefore never appears in user
 * code. */
if (!CONSTCOND)
    goto yyerrorlab;

yyerror_range[1] = yylsp[1-yylen];
/* Do not reclaim the symbols of the rule whose action triggered
 * this YYERROR. */
YYPOPSTACK (yylen);

yylen = 0;
YY_STACK_PRINT (yyss, yyssp);

yystate = *yyssp;
goto yyerrorlab1;
yyerrlab1:

yyerrstatus = 3;  /* Each real token shifted decrements this. */

for (;;)
{
  yyn = yypact[yystate];
  if (!yypact_value_is_default (yyn))
  {
    yyn += YYTERROR;
    if (0 <= yyn && yyn <= YYLAST && yycheck[yyn] == YYTERROR)
    {
      yyn = yytable[yyn];
      if (0 < yyn)
        break;
      }
    }

  /* Pop the current state because it cannot handle the error token. */
  if (yyssp == yyss)
    YYABORT;

  yyerror_range[1] = *yylsp;
  yydestruct ("Error: popping",
             yystos[yystate], yyvsp, yylsp, lexer, result, arg);
  YYPOPSTACK (1);
  yystate = *yyssp;
  YY_STACK_PRINT (yyss, yyssp);
}

YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
  *++yyvsp = yylval;
YY_IGNORE_MAYBE_UNINITIALIZED_END

yyerror_range[2] = yyloc;

/* Using YYLLOC is tempting, but would change the location of
the lookahead. YYLOC is available though. */
YYLLOC_DEFAULT (yyloc, yyerror_range, 2);
*++yylsp = yyloc;

/* Shift the error token. */
YY_SYMBOL_PRINT ("Shifting", yystos[yyn], yyvsp, yylsp);

yystate = yyn;
goto yynewstate;
/*-------------------------------------.
| yyacceptlab -- YYACCEPT comes here.  |
'-------------------------------------*/

yyacceptlab:
yyresult = 0;
goto yyreturn;

/*-----------------------------------.
| yyabortlab -- YYABORT comes here.  |
'-----------------------------------*/

yyabortlab:
yyresult = 1;
goto yyreturn;

#if !defined yyoverflow || YYERROR_VERBOSE
/*-------------------------------------------------.
| yyexhaustedlab -- memory exhaustion comes here.  |
'-------------------------------------------------*/

yyexhaustedlab:
yyerror (&yylloc, lexer, result, arg, YY_("memory exhausted");
yyresult = 2;
/* Fall through. */
#endif

yyreturn:
if (yychar != YYEMPTY)
{
  /* Make sure we have latest lookahead translation. See comments at
     user semantic actions for why this is necessary. */
  yytoken = YYTRANSLATE (yychar);
  yydestruct ("Cleanup: discarding lookahead",
               yytoken, &yylval, &yylloc, lexer, result, arg);
}

/* Do not reclaim the symbols of the rule whose action triggered
this YYABORT or YYACCEPT. */
YYPOPSTACK (yylen);
YY_STACK_PRINT (yyss, yyssp);
while (yyssp != yyss)
{
  yydestruct ("Cleanup: popping",
               yystos[*yyssp], yyvsp, yylsp, lexer, result, arg);
  YYPOPSTACK (1);
}
#endif

if (yychar != YYEMPTY)
{
/* Make sure we have latest lookahead translation. See comments at
 user semantic actions for why this is necessary. */
  yytoken = YYTRANSLATE (yychar);
  yydestruct ("Cleanup: discarding lookahead",
               yytoken, &yylval, &yylloc, lexer, result, arg);
}
/* Do not reclaim the symbols of the rule whose action triggered
this YYABORT or YYACCEPT. */
YYPOPSTACK (yylen);
YY_STACK_PRINT (yyss, yyssp);
while (yyssp != yyss)
{
  yydestruct ("Cleanup: popping",
               yystos[*yyssp], yyvsp, yylsp, lexer, result, arg);
  YYPOPSTACK (1);
}
#endif
#elif YYERROR_VERBOSE
if (yymsg != yymsgbuf)
    YYSTACK_FREE (yymsg);
#endif
return yyresult;
}
#line 1048 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1906 */

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FAQ:
=====

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licenses?

A: Yes, that's exactly the point of open source. Works derived from the
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them as well.

Q: Do I need to sign a Contributory License Agreement in order for my
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A: No, starting with syslog-ng 3.2, you don't need to sign a CLA in order to
have your contributions accepted.

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syslog-ng core but not derived works of other plugins. Thus, non-free
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Q: Who is permitted to create non-free plugins for syslog-ng? Is it just BalaBit (the current copyright holder as of the initial 3.2 release)?

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Version 1.1

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====
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Version 1.1

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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on Sat, 03 Mar 2007 16:07:59 +0100

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A: Yes, that's exactly the point of open source. Works derived from the plugins will have to use the GPL license, but you can choose to use LGPL for them as well.

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A: No, starting with syslog-ng 3.2, you don't need to sign a CLA in order to have your contributions accepted.

Q: Is it possible to create non-free plugins for syslog-ng?

A: Yes. It is our understanding that plugins are derived works of the syslog-ng core but not derived works of other plugins. Thus, non-free plugins are possible, provided they do not link to any of the GPL'd plugins explicitly and the only connection between two plugins is via the syslog-ng
Q: Who is permitted to create non-free plugins for syslog-ng? Is it just BalaBit (the current copyright holder as of the initial 3.2 release)?

A: No, everyone including BalaBit.

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1.83 unqlite-db 1.1.6

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1.84 util-linux 2.26.2

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Id</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;removed&gt;1</td>
<td>2048</td>
<td>4095</td>
<td>2048</td>
<td>1M</td>
<td>83</td>
<td>Linux</td>
<td></td>
</tr>
</tbody>
</table>

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

Create 2st primary partition
1bebfb7248e056e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73f8e bsd.img

---layout---------

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Id</th>
<th>Type</th>
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<tr>
<td>&lt;removed&gt;1</td>
<td>2048</td>
<td>4095</td>
<td>2048</td>
<td>1M</td>
<td>83</td>
<td>Linux</td>
<td></td>
</tr>
<tr>
<td>&lt;removed&gt;2</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>a5</td>
<td>FreeBSD</td>
<td></td>
</tr>
</tbody>
</table>

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

Create default BSD
2e1ce529cb59e9341afe0443f196a1 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.
Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
  c  4096 20479   16384    8M unused  0 0 0
d  0 16064   16065  7.9M unused    0 0 0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
  a  4096 6144   2049  1M 4.2BSD    0 0 0
c  4096 20479  16384    8M unused  0 0 0
d  0 16064   16065  7.9M unused    0 0 0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help): Entering nested BSD disklabel.

Command (m for help):

0 unused 5 4.1BSD 9 4.4LFS d boot
1 swap 6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
3 Version 7 8 MS-DOS c ISO-9660 10 AdvFS
4 System V

Command (m for help):

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1.85 util-linux 2.27.1

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Initialize empty image
f1c9645dcb14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2ef9 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Create 1st primary partition
ada64ace122978d00d1d1e5ee5ee45d26 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux

Create 2st primary partition
1bebf87248e05d6e4e62b749daa65023 bsd.img
Set 2nd partition type
2df8e8d85a68a052d052345db233418dd73fbd bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
<removed>2 4096 20479 16384 8M a5 FreeBSD

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
  c      4096 20479   16384    8M unused       0     0   0
  d          0 16064   16065  7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img
Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
0 unused  5 4.1BSD  9 4.4LFS  d  boot
1 swap  6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
3 Version 7 8 MS-DOS c ISO-9660 10 AdvFS
4 System V

Command (m for help):
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Version 2, June 1991

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1.86 webrtc-vad 07282016

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1.87 websocketpp 0.3.0 :alpha4.in
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Bundled Libraries:

****** Base 64 Library (base64/base64.hpp) ******
base64.hpp is a repackaging of the base64.cpp and base64.h files into a
single header suitable for use as a header only library. This conversion was
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base64.cpp and base64.h

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Ren Nyffenegger rene.nyffenegger@adp-gmbh.ch

****** SHA1 Library (sha1/sha1.hpp) ******
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***** MD5 Library (common/md5.hpp) *****
md5.hpp is a reformulation of the md5.h and md5.c code from
http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c to allow it to
function as a component of a header only library. This conversion was done by
Peter Thorson (webmaster@zaphoyd.com) in 2012 for the WebSocket++ project. The
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L. Peter Deutsch
ghost@aladdin.com

****** UTF8 Validation logic (utf8_validation.hpp) ******
utf8_validation.hpp is adapted from code originally written by Bjoern Hoehrmann <bjoern@hoehrmann.de>. See http://bjoern.hoehrmann.de/utf-8/decoder/dfa/ for details.

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1.88 wpa_supplicant 2.6
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1.89 zlib 1.2.8 1.2.8

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