



# Open Source Used In LoRaWAN Interface Module Software 2.3

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## Contents

### **1.1 csrp 1.0**

1.1.1 Available under license

### **1.2 libtommath 0.42.0**

1.2.1 Available under license

### **1.3 gzip 1.6**

1.3.1 Available under license

### **1.4 mongoose-web-server 3.5**

1.4.1 Available under license

### **1.5 protobuf 2.5.0**

1.5.1 Available under license

### **1.6 bzip2 1.0.6**

1.6.1 Available under license

### **1.7 zlib 1.2.3**

1.7.1 Available under license

### **1.8 apr-util 1.5.4**

1.8.1 Available under license

### **1.9 kmod 20**

1.9.1 Available under license

### **1.10 readline 5.2**

1.10.1 Available under license

### **1.11 bind 9.9.7**

1.11.1 Available under license

### **1.12 iptables 1.4.21**

1.12.1 Available under license

### **1.13 libxml2 2.9.4**

1.13.1 Available under license

## **1.14 bash 3.2.57**

1.14.1 Available under license

## **1.15 jsmn 6572217a0e71fdc13c9ea5571203187f383665e0**

1.15.1 Available under license

## **1.16 tar 1.28**

1.16.1 Available under license

## **1.17 libestr 0.1.10**

1.17.1 Available under license

## **1.18 less 416**

1.18.1 Available under license

## **1.19 mbed-tls 2.6.0**

1.19.1 Available under license

## **1.20 zlib 1.2.11**

1.20.1 Available under license

## **1.21 libwww 5.4.2**

1.21.1 Available under license

## **1.22 python 2.7.15**

1.22.1 Available under license

## **1.23 apr 1.5.1**

1.23.1 Available under license

## **1.24 apache-http-server 2.4.41**

1.24.1 Available under license

## **1.25 i2c-tools 3.1**

1.25.1 Available under license

## **1.26 libevent 2.0.22**

1.26.1 Available under license

## **1.27 sshpass 1.06**

1.27.1 Available under license

## **1.28 libdaemon 0.14**

1.28.1 Available under license

## **1.29 ifplugd 0.28**

1.29.1 Available under license

## **1.30 busybox 1.23.2**

1.30.1 Available under license

## **1.31 gmp 6.0.0**

1.31.1 Available under license

## **1.32 file 5.22**

1.32.1 Available under license

## **1.33 chardet 3.0.4**

- 1.33.1 Available under license
- 1.34 ncurses 6.1**
  - 1.34.1 Available under license
- 1.35 bridgeutils 1.5**
  - 1.35.1 Available under license
- 1.36 libiniparser 3.0**
  - 1.36.1 Available under license
- 1.37 busybox 1.27.2**
  - 1.37.1 Available under license
- 1.38 popt 1.16**
  - 1.38.1 Available under license
- 1.39 dhcp 4.1-ESV-R15**
  - 1.39.1 Available under license
- 1.40 libffi 3.1**
  - 1.40.1 Available under license
- 1.41 libusb 1.0**
  - 1.41.1 Available under license
- 1.42 e2fsprogs 1.42.12**
  - 1.42.1 Available under license
- 1.43 glibc 2.27**
  - 1.43.1 Available under license
- 1.44 attr 2.4.47-r0**
  - 1.44.1 Available under license
- 1.45 lvm2 2.02.117**
  - 1.45.1 Available under license
- 1.46 json-c 0.12**
  - 1.46.1 Available under license
- 1.47 python-setuptools 39.0.1**
  - 1.47.1 Available under license
- 1.48 libcap 2.24**
  - 1.48.1 Available under license
- 1.49 cryptsetup 1.6.0**
  - 1.49.1 Available under license
- 1.50 autogen 5.18**
  - 1.50.1 Available under license
- 1.51 ntp 4.2.8p14**
  - 1.51.1 Available under license
- 1.52 openssl 1.0.2t**
  - 1.52.1 Available under license

### **1.53 log-rotate 3.8.9**

1.53.1 Available under license

### **1.54 sqlite 3.32.3**

1.54.1 Available under license

### **1.55 libdevmapper 1.02.1**

1.55.1 Available under license

### **1.56 iproute 4.0.0**

1.56.1 Available under license

### **1.57 linux-kernel 4.4.120**

1.57.1 Available under license

### **1.58 pkix-ssh 12.5.1**

1.58.1 Available under license

### **1.59 openssh 8.3-p1**

1.59.1 Available under license

### **1.60 multipart-parser-c NA**

1.60.1 Available under license

### **1.61 idna 2.7**

1.61.1 Available under license

### **1.62 paramiko 2.4.1**

1.62.1 Available under license

### **1.63 colorama 0.3.7**

1.63.1 Available under license

### **1.64 dnsmasq 2.83**

1.64.1 Available under license

### **1.65 openssl 1.1.1i**

1.65.1 Available under license

### **1.66 util-linux 2.26.0**

1.66.1 Available under license

### **1.67 expat 2.2.5**

1.67.1 Available under license

### **1.68 ppp 2.4.7**

1.68.1 Available under license

### **1.69 curl 7.66.0**

1.69.1 Available under license

### **1.70 libpcap 1.7.2**

1.70.1 Available under license

### **1.71 keyutils 1.5.9**

1.71.1 Available under license

### **1.72 packaging 16.8**

- 1.72.1 Available under license
- 1.73 fdisk 2.26.0**
- 1.73.1 Available under license
- 1.74 strongswan 5.7.1**
- 1.74.1 Available under license
- 1.75 glib 2.42.0**
- 1.75.1 Available under license
- 1.76 syslog-ng 3.7.2**
- 1.76.1 Available under license
- 1.77 pcre 8.44**
- 1.77.1 Available under license
- 1.78 librabbitmq 0.5.3**
- 1.78.1 Available under license
- 1.79 lxc 2.0.11**
- 1.79.1 Available under license
- 1.80 tdb 1.42.13-3**
- 1.80.1 Available under license
- 1.81 python-pip 9.0.3**
- 1.81.1 Available under license
- 1.82 urllib3 1.23**
- 1.82.1 Available under license
- 1.83 mtd-utils 1.5.1**
- 1.83.1 Available under license
- 1.84 ecdsa 0.15**
- 1.84.1 Available under license
- 1.85 psutil 2.1.3**
- 1.85.1 Available under license
- 1.86 pyte 0.4.8**
- 1.86.1 Available under license
- 1.87 lockfile 0.1.17**
- 1.87.1 Available under license
- 1.88 python-certifi 14.05.14**
- 1.88.1 Available under license

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## 1.4 mongoose-web-server 3.5

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bzip2/libbzip2 version 1.0.2 of 30 December 2001

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/*
```

```
minibz2
```

```
libbz2.dll test program.
```

```
by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)
```

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```

```
usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]
```

```
*/
```

## 1.7 zlib 1.2.3

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002
```

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jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

```
*/  
/* match.s -- Pentium-optimized version of longest_match()  
* Written for zlib 1.1.2  
* Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>  
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*/
```

## 1.8 apr-util 1.5.4

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For the xml\expat\conftools\install-sh component:

```
#  
#  
install - install a program, script, or datafile  
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```

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

\* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io\_test.cpp:

These files were derived from the file\_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

\* admin/check-style.sh,

admin/check-style-common.awk,

admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,

except the first one, were first implemented in the Buildtool project.

They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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=====  
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

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## 1.12 iptables 1.4.21

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## 1.13 libxml2 2.9.4

### 1.13.1 Available under license :

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/\*

\* hash.c: chained hash tables

\*

\* Reference: Your favorite introductory book on algorithms

\*

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*
*****/
*

```

## 1.14 bash 3.2.57

### 1.14.1 Available under license :

```

From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

```



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

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

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

From spcedt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcedt@armory.com

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

id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcedt@armory.com for <chet@odin.INS.CWRU.Edu>)

Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with  
SMTP (8.6.10+cwru/CWRU-2.3)

id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcedt@armory.com for <chet@po.cwru.edu>)

From: John DuBois <spcedt@armory.com>

Date: Tue, 9 May 1995 22:33:12 -0700

In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>

"ksh scripts" (May 9, 1:36pm)

X-Www: <http://www.armory.com/~spcedt/>

X-Mailer: Mail User's Shell (7.2.5 10/14/92)

To: chet@po.cwru.edu

Subject: Re: ksh scripts

Message-ID: <9505092233.aa13001@deepthought.armory.com>

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

John

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

} Subject: ksh scripts  
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995  
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;  
} 9 May 95 10:39 PDT  
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)  
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)  
} Date: Tue, 9 May 1995 13:36:54 -0400  
} From: Chet Ramey <chet@odin.ins.cwru.edu>  
} To: john@armory.com  
} Subject: ksh scripts  
} Cc: chet@odin.ins.cwru.edu  
} Reply-To: chet@po.cwru.edu

```
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in
} the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
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Version 2, June 1991
```

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@c End:

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

Flags: 10

Return-Path: mikel@ora.com

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

id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)  
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995  
12:07:51 -0400  
Received: by los.ora.com (4.1/Spike-2.1)  
id AA00672; Tue, 1 Aug 95 08:57:32 EDT  
Date: Tue, 1 Aug 95 08:57:32 EDT  
From: mikel@ora.com (Michael Loukides)  
Message-Id: <9508011257.AA00672@los.ora.com>  
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]  
To: Chet Ramey <chet@odin.INS.CWRU.Edu>  
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com  
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

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```
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```

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Ty Coon, President of Vice
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## 1.17 libestr 0.1.10

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# 1.18 less 416

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## 1.19 mbed-tls 2.6.0

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## 1.20 zlib 1.2.11

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017
```

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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

\*/

## 1.21 libwww 5.4.2

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Version 2, June 1991

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## 1.22 python 2.7.15

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History and License

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://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 <https://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 <https://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.

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|----------------|--------------|-----------|------------|-----------------|
| 0.9.0 thru 1.2 | n/a          | 1991-1995 | CWI        | yes             |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes             |
| 1.6            | 1.5.2        | 2000      | CNRI       | no              |
| 2.0            | 1.6          | 2000      | BeOpen.com | no              |
| 1.6.1          | 1.6          | 2001      | CNRI       | no              |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no              |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes             |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes             |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes             |

|                                 |       |          |     |     |  |
|---------------------------------|-------|----------|-----|-----|--|
| 2.1.3                           | 2.1.2 |          |     |     |  |
| 2002                            | PSF   | yes      |     |     |  |
| +-----+-----+-----+-----+-----+ |       |          |     |     |  |
| 2.2 and above                   | 2.1.1 | 2001-now | PSF | yes |  |
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Mersenne Twister

-----  
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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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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets

-----

The `:mod:`socket`` module uses the  
functions, `:func:`getaddrinfo``, and  
`:func:`getnameinfo``, which are coded in separate source files from the WIDE  
Project, <http://www.wide.ad.jp/>. ::

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Floating point exception control

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-----  
MD5 message digest algorithm  
-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of

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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

Asynchronous socket services

-----

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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management  
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Execution tracing  
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UUencode and UUdecode functions

-----

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Modified by Jack Jansen, CWI, July 1995:

- Use `binascii` module to do the actual line-by-line conversion between `ascii` and `binary`. This results in a 1000-fold speedup. The `C` version is still 5 times faster, though.

- Arguments more compliant with Python standard

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-----

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`test_epoll`

-----

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Select kqueue

-----

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strtod  
and dtoa

-----

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expat

-----

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libffi

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zlib

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
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| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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| 1.6.1          | 1.6          | 2001      | CNRI       | no              |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no              |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes             |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes             |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes             |
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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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Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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MD5 message digest algorithm  
-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321;

now handles byte order either statically or dynamically.  
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.  
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);  
added conditionalization for C++ compilation from Martin  
Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

Asynchronous socket services  
-----

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Cookie  
management  
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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use `binascii` module to do the actual line-by-line conversion between `ascii` and `binary`. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

-----

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test\_epoll

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Select kqueue

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strtod  
and dtoa

-----

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```
/*
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 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
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```

From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

```
/* Copyright (c) 1996 by Internet Software Consortium.
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From dso/aix/dso.c:

- \* Based on libdl (dlfcn.c/dlfcn.h) which is
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From strings/apr\_strnatcmp.c,  
include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
Copyright (C) 2000 by Martin Pool <mbp@humblebug.org.au>

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From  
strings/apr\_snprintf.c:

\*

\* cvt - IEEE floating point formatting routines.  
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\*

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# 1.24 apache-http-server 2.4.41

## 1.24.1 Available under license :

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    -->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"
/>
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

<link href="/images/favicon.ico" rel="shortcut icon" /></head>
<body id="manual-page" class="no-sidebar"><div id="page-header">
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> > <a href="http://httpd.apache.org/">HTTP Server</a> > <a
href="http://httpd.apache.org/docs/">Documentation</a> > <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
<div class="toplant">
<p><span>Available Languages:
```



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</div>

</div>

<div class="bottomlang">

<p><span>Available Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;</a></p>

</div><div class="top"><a href="#page-header"></a></div><div

class="section"><h2><a id="comments\_section" name="comments\_section">Comments</a></h2><div

class="warning"><strong>Notice:</strong><br

/>This is not a Q&A section. Comments placed here should be pointed towards suggestions on improving the documentation or server, and may be removed again by our moderators if they are either implemented or considered invalid/off-topic. Questions on how to manage the Apache HTTP Server should be directed at either our IRC channel, #httpd, on Freenode, or sent to our <a href="http://httpd.apache.org/lists.html">mailing lists</a>.</div>

<script type="text/javascript"><!--><![CDATA[//><!--

var comments\_shortcode = 'httpd';

var comments\_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

if (w.location.hostname.toLowerCase() === "httpd.apache.org") {

d.write('<div id="comments\_thread"></div>');

var s = d.createElement('script');

s.type = 'text/javascript';

s.async = true;

```
s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortname + '&page=' +
comments_identifier;
```

```
(d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
}
else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
}
})(window, document);
//--><![></script></div><div id="footer">
<p class="apache">Copyright 2019 The Apache Software Foundation.<br />Licensed under the <a
href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--<!--><![CDATA[<!--<!-->
if (typeof(prettyPrint) !== 'undefined') {
    prettyPrint();
}
--><![></script>
</body></html>
```

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```

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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
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*
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Thanks to the following people for their input:

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Michael Campanella (campanella@stevms.enet.dec.com)

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## 1.29 ifplugd 0.28

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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```

```
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Ty Coon, President of Vice
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Any executables

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## 1.34 ncurses 6.1

### 1.34.1 Available under license :

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Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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On Debian systems, the complete text of the GNU General Public License can be found in '/usr/share/common-licenses/GPL-2'

-- vile: txtmode file-encoding=utf-8

Upstream source <https://invisible-island.net/ncurses/ncurses.html>

This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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# 1.35 bridgeutils 1.5

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## 1.37 busybox 1.27.2



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## 1.39 dhcp 4.1-ESV-R15

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

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

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

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

Author: Julio Merino <jmmv84@gmail.com>

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

=====  
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-->

```

```

<!-- $Id$ -->

```

```

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

```

```

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

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

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

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
      <xsl:text> </xsl:text>
    </xsl:call-template>
  </xsl:call-template>

```



```

<xsl:value-of select="holder"/>
  <xsl:value-of select="$isc.copyright.breakline"/>
<xsl:text>#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->
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```

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## 1.42 e2fsprogs 1.42.12

### 1.42.1 Available under license :

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

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

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\*/

Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell            2005
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Theodore Ts'o  
23-June-2007

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

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That's all there is to it!

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

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

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

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

<http://sourceforge.net/projects/e2fsprogs>

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

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

```
all:: image
```

```
real-subdirs:: Makefile
```

```
@echo " MKDIR pic"
```

```
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
```

```
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBS))
```

```
$(MV) pic/$(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)
```

This is the Debian GNU/Linux prepackaged version of the `ss` command-line interface parsing 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:  
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## 1.43 glibc 2.27

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

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

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

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

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

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

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## 1.45 lvm2 2.02.117

### 1.45.1 Available under license :

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Version 2.1, February 1999

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## 1.47 python-setuptools 39.0.1

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## 1.50 autogen 5.18

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  32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
  33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
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  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
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  39. [42]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
  40. [43]Tom Moore <tmoore@fivel.daytonoh.ncr.com> i386 svr4 port
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  42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
  43. [47]Rob Neal <neal@ntp.org> Bancomm refclock

and config/parse code

    maintenance

44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de>  
    monitoring/trap scripts, statistics file handling
45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
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
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    makeover, various other bits (see the ChangeLog)
53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
54. [58]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
55. [59]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK  
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59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and  
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Any executables

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## 1.57 linux-kernel 4.4.120



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ConferenceTV card

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

\* buffers. This is done by 2 things:

\* 1) skb->destructor / skb->atm.recycle\_buffer

\* combined, allow nicstar\_free\_rx\_skb to be called to

\* recycle large data buffers

\* 2) skb\_clone of received buffers

\* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation

\* details.

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 \* M. Welsh, 6 July 1996  
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for his contributions to the dvb-net driver

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(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for merging the nxt2002 and nxt2004 modules into a  
single nxt200x frontend driver.

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

\* Optimised ANSI C code for the Rijndael cipher (now AES)

\*

\* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

\* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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```
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 */
```

Found in path(s):

```
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.c
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h
```

## 1.61 idna 2.7

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""""

A library to support the Internationalised Domain Names in Applications

(IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

```
"""
```

```
import io, sys
```

```
from setuptools import setup
```

```
def main():
```

```
    python_version = sys.version_info[:2]
```

```
    if python_version < (2,6):
```

```
        raise SystemExit("Sorry, Python 2.6 or newer required")
```

```
    package_data = { }
```

```
    exec(open('idna/package_data.py').read(), package_data)
```

```
    arguments = {
```

```
        'name': 'idna',
```

```
        'packages': ['idna'],
```

```
        'version': package_data['__version__'],
```

```
        'description': 'Internationalized Domain Names in Applications (IDNA)',
```

```
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
```

```
        'author': 'Kim Davies',
```

```
        'author_email': 'kim@cynosure.com.au',
```

```
        'license': 'BSD-like',
```

```
        'url': 'https://github.com/kjd/idna',
```

```
        'classifiers': [
```

```
            'Development Status :: 5 - Production/Stable',
```

```
            'Intended Audience :: Developers',
```

```
            'Intended Audience :: System Administrators',
```

```
            'License :: OSI Approved :: BSD License',
```

```
            'Operating System :: OS Independent',
```

```
            'Programming Language :: Python',
```

```
            'Programming Language :: Python :: 2.6',
```

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            'Programming Language :: Python :: 2.7',
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```
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```

```
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            'Programming Language :: Python :: 3.4',
```

```
            'Programming Language :: Python :: 3.5',
```

```
            'Programming Language :: Python :: 3.6',
```

```
            'Topic :: Internet :: Name Service (DNS)',
```

```
            'Topic :: Software Development :: Libraries :: Python Modules',
```

```
            'Topic :: Utilities',
```

```
        ],
```

```
        'test_suite':
```

```
'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()
```

Found in path(s):

\* /opt/cola/permits/1110765725\_1606850597.72/0/kjd-idna-v2-7-0-g5d76cb6-1-tar-gz/kjd-idna-77c8bce/setup.py

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## 1.66 util-linux 2.26.0

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|----|-------|-------|---------|------|------|-------------|
| 1  | 32    | 7679  | 7648    | 3.7M |      | 8f8378c0-01 |
| 2  | 7680  | 16383 | 8704    | 4.3M |      | 8f8378c0-02 |
| 5  | 7936  | 12799 | 4864    | 2.4M |      |             |
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it
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```

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<signature of Ty Coon>, 1 April 1989
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## 1.72 packaging 16.8

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## 1.73 fdisk 2.26.0

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# 1.74 strongswan 5.7.1

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# 1.75 glib 2.42.0

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That's all there is to it!

/\* A Bison parser, made by GNU Bison 3.0.2. \*/

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

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/\* As a special exception, you may create a larger work that contains part or all of the Bison parser skeleton and distribute that work under terms of your choice, so long as that work isn't itself a parser generator using the skeleton or a modified version thereof as a parser skeleton. Alternatively, if you modify or redistribute the parser skeleton itself, you may (at your option) remove this special exception, which will cause the skeleton and the resulting Bison output files to be licensed under the GNU General Public License without this special exception.

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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
```

```
# endif
```

```
/* Enabling verbose error messages. */
```

```
#ifndef 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". */
#ifndef YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED
# define YY_REWRITE_EXPR_LIB_REWRITE_REWRITE_EXPR_GRAMMAR_H_INCLUDED
/* Debug traces. */
#ifndef YYDEBUG
# define YYDEBUG 0
#endif
#if 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. */
#ifndef 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\_FETCH\_LIMIT = 10162,  
KW\_LOG\_IW\_SIZE = 10163,  
KW\_LOG\_PREFIX = 10164,  
KW\_PROGRAM\_OVERRIDE = 10165,  
KW\_HOST\_OVERRIDE = 10166,  
KW\_THROTTLE = 10170,  
KW\_THREADED = 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\_RECVD = 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 10361
#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_VALUE_PAIRS 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. */

#line 444 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:358 */
/* Unqualified %code blocks. */
#line 31 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:359 */

#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_ERROR_WITHOUT_MESSAGE(val, token) do { \
  if (!(val)) \
  { \
    YYERROR; \
  } \
} while (0)

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

```

```

#define YYMAXDEPTH 20000

```

```

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

```

```

#ifdef short
# undef short
#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
#  include <stddef.h> /* INFRINGES ON USER NAME SPACE */
#  define YYSIZE_T size_t
# else
#  define
  YYSIZE_T unsigned int
# endif
#endif

#define YYSIZE_MAXIMUM ((YYSIZE_T) -1)

#ifndef YY_
# if defined YYENABLE_NLS && YYENABLE_NLS
#  if ENABLE_NLS
#   include <libintl.h> /* INFRINGES ON USER NAME SPACE */
#   define YY_(Msgid) dgettext ("bison-runtime", Msgid)
#  endif
# endif
# ifndef YY_
#  define YY_(Msgid) Msgid
# endif
#endif

#ifndef YY_ATTRIBUTE
# if (defined __GNUC__
      \
      && (2 < __GNUC__ || (__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

#if !defined _Noreturn \
    && (!defined __STDC_VERSION__ || __STDC_VERSION__ < 201112)
# if defined _MSC_VER && 1200 <= _MSC_VER
# 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
#ifdef YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
# define YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
# define YY_IGNORE_MAYBE_UNINITIALIZED_END
#endif
#ifdef 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. */

# ifdef YYSTACK_USE_ALLOCA
# if YYSTACK_USE_ALLOCA
#  ifdef __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
# elif defined _MSC_VER
# include <malloc.h> /* INFRINGES ON USER NAME SPACE */
# define alloca _alloca
# else
# define YYSTACK_ALLOC alloca
# if ! defined _ALLOCA_H && ! defined EXIT_SUCCESS
# include <stdlib.h> /* INFRINGES ON USER NAME SPACE */
/* Use EXIT_SUCCESS as a witness for stdlib.h. */
# ifndef EXIT_SUCCESS
# define EXIT_SUCCESS 0
# endif
# endif
# endif
# endif

# ifdef YYSTACK_ALLOC
/* Pacify GCC's 'empty if-body' warning. */
# define YYSTACK_FREE(Ptr) do { /* empty */; } while (0)
# ifndef YYSTACK_ALLOC_MAXIMUM
/* The OS might guarantee only one guard page at
the bottom of the stack,
and a page size can be as small as 4096 bytes. So we cannot safely
invoke alloca (N) if N exceeds 4096. Use a slightly smaller number
to allow for a few compiler-allocated temporary stack slots. */
# define YYSTACK_ALLOC_MAXIMUM 4032 /* reasonable circa 2006 */
# endif
# endif
# else
# define YYSTACK_ALLOC YYMALLOC
# define YYSTACK_FREE YYFREE
# ifndef YYSTACK_ALLOC_MAXIMUM
# define YYSTACK_ALLOC_MAXIMUM YYSIZE_MAXIMUM
# endif
# if (defined __cplusplus && ! defined EXIT_SUCCESS \
&& ! ((defined YYMALLOC || defined malloc) \
&& (defined YYFREE || defined free)))
# include <stdlib.h> /* INFRINGES ON USER NAME SPACE */
# ifndef EXIT_SUCCESS
# define EXIT_SUCCESS 0
# endif
# endif
# ifndef YYMALLOC
# define YYMALLOC malloc
# if ! defined malloc && ! defined EXIT_SUCCESS

```

```

void *malloc (YYSIZE_T); /* INFRINGES ON USER NAME SPACE */
# endif
# endif
# ifndef YYFREE
# define YYFREE free
# if ! defined free
&& ! defined EXIT_SUCCESS
void free (void *); /* INFRINGES ON USER NAME SPACE */
# endif
# endif
# endif
#endif /* ! defined yyoverflow || YYERROR_VERBOSE */

#if (! defined yyoverflow \
&& (! 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 yyallocc
{
yytype_int16 yyss_alloc;
YYSTYPE yyvs_alloc;
YYLTYPE yyys_alloc;
};

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

/* The size of an array large to 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.
*/
# ifndef YYCOPY
#  if defined __GNUC__ && 1 < __GNUC__
#   define YYCOPY(Dst, Src, Count) \
    __builtin_memcpy (Dst, Src, (Count) * sizeof (*(Src)))
#  else
#   define YYCOPY(Dst, Src, Count) \
    do \
    { \
        YYSIZE_T yyi; \
        for (yyi = 0; yyi < (Count); yyi++) \
            (Dst)[yyi] = (Src)[yyi]; \
    } \
    while (0)
#  endif
# endif
#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

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

```













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137, 138, 139, 140, 141, 142, 143, 144, 145, 146,
147, 148, 2, 149, 150, 151, 152
};

```

```

#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, 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,
664, 676, 681, 682, 686, 687, 691, 695, 696, 700,
701, 732, 733, 737, 738, 739, 743, 744, 754,
758,
759, 763, 764, 810, 811, 812, 813, 814, 815, 816,

```

```

817, 818, 818, 831, 832, 833, 834, 978, 979, 983,
984
};
#endif

#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[] =
{
"$end", "error", "$undefined", "LL_CONTEXT_ROOT",
"LL_CONTEXT_DESTINATION", "LL_CONTEXT_SOURCE", "LL_CONTEXT_PARSER",
"LL_CONTEXT_REWRITE", "LL_CONTEXT_FILTER", "LL_CONTEXT_LOG",
"LL_CONTEXT_BLOCK_DEF", "LL_CONTEXT_BLOCK_REF",
"LL_CONTEXT_BLOCK_CONTENT", "LL_CONTEXT_BLOCK_ARG", "LL_CONTEXT_PRAGMA",
"LL_CONTEXT_FORMAT", "LL_CONTEXT_TEMPLATE_FUNC", "LL_CONTEXT_INNER_DEST",
"LL_CONTEXT_INNER_SRC", "LL_CONTEXT_CLIENT_PROTO",
"LL_CONTEXT_SERVER_PROTO", "KW_SOURCE", "KW_FILTER", "KW_PARSER",
"KW_DESTINATION", "KW_LOG", "KW_OPTIONS", "KW_INCLUDE", "KW_BLOCK",
"KW_JUNCTION", "KW_CHANNEL", "KW_INTERNAL",
"KW_FILE", "KW_SQL",
"KW_TYPE", "KW_COLUMNS", "KW_INDEXES", "KW_VALUES", "KW_PASSWORD",
"KW_DATABASE", "KW_USERNAME", "KW_TABLE", "KW_ENCODING",
"KW_SESSION_STATEMENTS", "KW_DELIMITERS", "KW_QUOTES", "KW_QUOTE_PAIRS",
"KW_NULL", "KW_SYSLOG", "KW_MARK_FREQ", "KW_STATS_FREQ",
"KW_STATS_LEVEL", "KW_STATS_LIFETIME", "KW_FLUSH_LINES", "KW_SUPPRESS",
"KW_FLUSH_TIMEOUT", "KW_LOG_MSG_SIZE", "KW_FILE_TEMPLATE",
"KW_PROTO_TEMPLATE", "KW_MARK_MODE", "KW_CHAIN_HOSTNAMES",
"KW_NORMALIZE_HOSTNAMES", "KW_KEEP_HOSTNAME", "KW_CHECK_HOSTNAME",
"KW_BAD_HOSTNAME", "KW_KEEP_TIMESTAMP", "KW_USE_DNS", "KW_USE_FQDN",
"KW_CUSTOM_DOMAIN", "KW_DNS_CACHE", "KW_DNS_CACHE_SIZE",
"KW_DNS_CACHE_EXPIRE", "KW_DNS_CACHE_EXPIRE_FAILED",
"KW_DNS_CACHE_HOSTS", "KW_PERSIST_ONLY", "KW_USE_RCPTID",
"KW_TZ_CONVERT", "KW_TS_FORMAT", "KW_FRAC_DIGITS", "KW_LOG_FIFO_SIZE",
"KW_LOG_FETCH_LIMIT", "KW_LOG_IW_SIZE", "KW_LOG_PREFIX",
"KW_PROGRAM_OVERRIDE", "KW_HOST_OVERRIDE", "KW_THROTTLE", "KW_THREADED",
"KW_FLAGS", "KW_PAD_SIZE", "KW_TIME_ZONE", "KW_RECV_TIME_ZONE",
"KW_SEND_TIME_ZONE", "KW_LOCAL_TIME_ZONE", "KW_FORMAT", "KW_TIME_REOPEN",
"KW_TIME_REAP", "KW_TIME_SLEEP", "KW_TMPL_ESCAPE", "KW_OPTIONAL",
"KW_CREATE_DIRS", "KW_OWNER", "KW_GROUP", "KW_PERM", "KW_DIR_OWNER",
"KW_DIR_GROUP", "KW_DIR_PERM", "KW_TEMPLATE", "KW_TEMPLATE_ESCAPE",
"KW_DEFAULT_FACILITY", "KW_DEFAULT_LEVEL", "KW_PORT",
"KW_USE_TIME_RECVD", "KW_FACILITY", "KW_LEVEL", "KW_HOST", "KW_MATCH",
"KW_MESSAGE", "KW_NETMASK", "KW_TAGS", "KW_VALUE", "KW_REWRITE",
"KW_SET", "KW_SUBST", "KW_YES", "KW_NO", "KW_IFDEF", "KW_ENDIF",
"LL_DOTDOT", "LL_IDENTIFIER", "LL_NUMBER", "LL_FLOAT", "LL_STRING",
"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

# ifdef 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, 10030, 10031, 10032, 10033, 10034, 10035, 10036,
    10037, 10038, 10039, 10040, 10050, 10051, 10052, 10053, 10060, 10071,
    10072, 10073, 10074, 10075, 10076, 10077, 10078, 10079, 10080, 10081,
    10090, 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, -75, -106, -55,
  -51, -106, -106, -54, -54, -15, -15, -47, -106, -106,
  -106, -106, -75, -49, -44, -106, -6, -6, 17, -106,
  -106, -106, -106, -97, -106, -106, -106, -34, -104, -89,
  -70, -69, -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,
  -106, 8, -106, -106, -54, -106, -106, -54, -106, -106,
  -106, -106, -106, -106, -106, -106, -54, -106, -54, -106,
  -106, -75, -106, -106, -75, -75, -106, -106, -106, -106,
  -20, -20, -106, -17, -17, 9, -75, 10, -75, 11,
  13, -56, -106, -106, -106, -106, -54, -106, -106, -106,
  -106, -106, 15, 18, 19, 21, 26, 27, 28, 29,
  -106, -56, -106, -26, -106, -85, -85,
  -85, 22, -75,
  -75, -75, -75, -106, 30, 31, 32, 33, -106, -106,
  -106, -106, 34, 35, 36, 37, 38, 39, 40, 41,
  -85, -53, -85, -85, -106, -106, -106, -106, -106, -106,
  -106, -106, 42, -106, -106, 43, 44, 45, -106, -106,
  -106, -106
};

/* YYDEFAC[T][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, 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[NTERM-NUM]. */
static const yytype_int8 yypgoto[] =
{
-106, -106, 49, 16, -106, -106, -106, -106, 61, -106,
51, -106, -106, 78, -28, -13, -106, -106, -106, -106,
-105, -106, -106, -106, -106, -106, 23, -106, -106, -106,
-106, -106, -106, -106, -63, -106, -106, 67, -106, -7,
106, 20, -72, 113, -106, 14, -14, -94, -106, -23,
50, -4, -106, -106, -106, -106, 47
};

/* YYDEFGOTO[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[YYPACT[STATE-NUM]] -- What to do in state 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[] =
{
    32, 33, 34, 65, 172, 19, 173, 26, 19, 174,
    20, 121, 113, 20, 1, 48, 49, 50, 51, 38,
    39, 223, 59, 1, 127, 175, 176, 177, 178, 55,
    55, 138, 27, 35, 68, 194, 90, 59, 199, 200,
    195, 196, 19, 197, 201, 162, 163, 20, 44, 69,
    80, 70, 60, 28, 68, 94, 29, 97, 58, 99,
    90, 101, 179, 104, 71, 114, 72, 60, 12, 109,

    199, 200, -21, 55, 40, 41, 201, 116, 127, 127,
    13, 138, 138, 73, 75, 74, 76, 77, 14, 78,
    164, 165, 203, 204, 15, 16, 17, 18, -44, 106,
    36, 83, 116, 24, 37, 45, 2, 3, 122, 42,
    46, 134, 84, 4, 52, 60, 222, 224, 226, 227,
    150, 81, 91, 151, 82, 85, 120, 156, 93, 92,
    157, 158, 153, 111, 154, 5, 6, 7, 119, 112,
    86, 141, 156, 128, 158, 130, 129, 108, 131, 132,
    57, 205, 139, 133, 142, 140, 143, 144, 145, 79,
    147, 148, 184, 166, 168, 170, 146, 171, 185, 209,
    167, 186, 187, 0, 188, 206, 207, 208, 116, 189,
    190, 191, 192, 210, 211, 212, 213, 0, 214, 215,
    216, 217, 218, 219, 220, 221, 228, 229, 230, 231,
    0, 0, 0, 0, 193, 169
};

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, 153, 154, 153, 153, 155, 155, 153, 153, 155,
    153, 154, 186, 187, 153, 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, 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, 153, -1, 154, 154,
154, 154, 154, 154, 154, 154, 154, 154, 154, 154,
-1, -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, 150, 151, 152, 160, 161,
    163, 198, 155, 153, 153, 153, 153, 153, 0, 25,
    30, 199, 200, 201, 157, 210, 210, 200, 128, 131,
    162, 205, 205, 205, 205, 162, 155, 155, 210, 210,
    161, 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, 155, 153, 155, 153, 155, 153, 155, 199,
    210, 156, 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, 154, 156, 128, 193, 194, 195, 201, 154,
    156, 153, 154, 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, 153, 153, 185, 61, 66, 67, 69, 213, 123,
    124, 129, 206, 206, 206, 129, 205, 205, 205, 208,
    153, 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, 161, 162, 164, 163, 165,
    163, 163, 163, 166, 163, 163, 167, 167, 168, 168,
    169, 169, 171, 170, 170, 172, 172, 173, 173, 175,
    174, 177, 178, 176, 179, 179, 179, 180, 180, 181,
    182, 184, 183, 185, 185, 186, 187, 188, 189, 191,
    192, 190, 193, 193, 193, 194, 195, 196, 196, 197,

```

```

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,
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,  2,  0,  1,  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 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
#define YYERRCODE 256

/* 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

# ifndef 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 += YYFPRINTF (yyo, "%d", yylocp->first_line);
        if (0 <= yylocp->first_column)
            res += YYFPRINTF (yyo, ".%d", yylocp->first_column);
    }
    if (0 <= yylocp->last_line)
    {
        if (yylocp->first_line < yylocp->last_line)
        {
            res += YYFPRINTF (yyo, "-%d", yylocp->last_line);
            if (0 <= end_col)
                res += YYFPRINTF (yyo, ".%d", end_col);
        }
        else if (0 <= end_col && yylocp->first_column < end_col)
            res += YYFPRINTF (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) \
{ \
YYFPRINTF (stderr, "%s ", Title); \
yy_symbol_print (stderr, \
Type, Value, Location, lexer, result, arg); \
YYFPRINTF (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", yyname[yytype]);

    YY_LOCATION_PRINT (yyoutput, *yylocationp);
    YYFPRINTF (yyoutput, ": ");
    yy_symbol_value_print (yyoutput, yytype, yyvaluep, yylocationp, lexer, result, arg);
    YYFPRINTF (yyoutput, ")");
}

/*-----
| yy_stack_print -- Print the state stack from its BOTTOM up to its |
| TOP (included).          |
'-----*/

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, "\n");
}

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

/*-----
| Report that the YRULE 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 yyno = yrline[yyrule];
    int yynrhs = yr2[yyrule];
    int yyi;

```

```

YYFPRINTF (stderr, "Reducing stack by rule %d (line %lu):\n",
           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, "\n");
  }
}

# define YY_REDUCE_PRINT(Rule)          \
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. */
#ifndef YYINITDEPTH
# define YYINITDEPTH 200
#endif

/* YYMAXDEPTH -- maximum size the stacks can grow
   to (effective only
   if the built-in stack extension method is used).

   Do not make this value too large; the results are undefined if
   YYSTACK_ALLOC_MAXIMUM < YYSTACK_BYTES (YYMAXDEPTH)
   evaluated with infinite-precision integer arithmetic. */

#ifndef YYMAXDEPTH
# define YYMAXDEPTH 10000
#endif

```



```

#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 yylen;
  for (yylen = 0; yystr[yylen]; yylen++)
    continue;
  return yylen;
}
# endif
# endif

# 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 *
yystpcpy (char *yydest, const char *yysrc)
{
  char *yyd = yydest;
  const char *yys = yysrc;

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

  return
  yyd - 1;
}
# 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-quoting is unnecessary unless the string
  contains an apostrophe, a comma, or backslash (other than
  backslash-backslash). YYSTR is taken from yytnamerr. If YYRES is
  null, do not copy; instead, return the length of what the result

```

```

    would have been. */
static YYSIZE_T
yytnamerr (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 "\\":
                    if (*++yyp != "\\")
                        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 *yymmsg_alloc, char **yymmsg,
                yytype_int16 *yyssp, int yytoken)
{
    YYSIZE_T yysize0 = yytnamerr (YY_NULLPTR, yyname[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++] = yyname[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 yyname. */
int yychecklim = YYLAST - yyn + 1;
int yyxend = yychecklim < YYNTOKENS ? yychecklim : YYNTOKENS;
int yyx;

for (yyx = yyxbegin; yyx < yyxend; ++yyx)
  if (yycheck[yyx + yyn] == yyx && yyx != YYTERROR
      && !yytable_value_is_error (yytable[yyx + yyn]))
    {
      if (yycount == YYERROR_VERBOSE_ARGS_MAXIMUM)
        {
          yycount = 1;
          yysize = yysize0;
          break;
        }
      yyarg[yycount++] = yyname[yyx];
      {
        YYSIZE_T yysize1 = yysize + yytnameerr (YY_NULLPTR, yyname[yyx]);
        if (! (yysize <= yysize1
            && yysize1 <= YYSTACK_ALLOC_MAXIMUM))
          return 2;
        yysize = yysize1;
      }
    }
}

switch (yycount)
  {
#define YYCASE_(N, S)          \
  case N:                      \
    yyformat = S;              \
    break
    YYCASE_(0, YY_("syntax error"));
    YYCASE_(1, YY_("syntax error, unexpected %s"));
    YYCASE_(2, YY_("syntax error, unexpected %s, expecting %s"));
    YYCASE_(3, YY_("syntax error, unexpected %s, expecting %s or %s"));
    YYCASE_(4, YY_("syntax error, unexpected %s, expecting %s or %s or %s"));
    YYCASE_(5, YY_("syntax error, unexpected %s, expecting %s or %s or %s or %s"));
#undef YYCASE_
  }

  {
    YYSIZE_T yysize1 = yysize + yystrlen (yyformat);

```

```

if (! (ysize <= ysize1 && ysize1 <= YYSTACK_ALLOC_MAXIMUM))
    return 2;
ysize = ysize1;
}

if (*yymmsg_alloc < yysize)
{
    *yymmsg_alloc = 2 * yysize;
    if (! (ysize <= *yymmsg_alloc
        && *yymmsg_alloc <= YYSTACK_ALLOC_MAXIMUM))
        *yymmsg_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 = *yymmsg;
    int yyi = 0;
    while ((*yyp = *yyformat) != '\0')
        if (*yyp == '%' && yyformat[1] == 's' && yyi < yycount)
            {
                yyp += yytnamerr (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 *yymmsg, int yytype, YYSTYPE *yyvaluep, YYLTYPE *yylocationp, CfgLexer *lexer,
LogExprNode **result, gpointer arg)
{
    YYUSE (yyvaluep);
    YYUSE (yylocationp);
    YYUSE (lexer);

```

```

YYUSE (result);
YYUSE (arg);
if (!yymmsg)
    yymmsg = "Deleting";
YY_SYMBOL_PRINT
(yymmsg, yytype, yyvaluep, yylocationp);

YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
YYUSE (yytype);
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:

```

'yys': 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 \*yyvvs;

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;
yyvsp = yyvs = yyvsa;
yyfsp = yyfs = yyfssa;
yytstacksize = YYINITDEPTH;

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

ystate = 0;
yyerrstatus = 0;
yynerrs = 0;
yychar = YYEMPTY; /* Cause a token to be read. */
yyfsp[0] = yyfloc;
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 + yytstacksize - 1 <= yyfsp)
{
    /* Get the current used size
of the three stacks, in elements. */
    YYSIZE_T yysize = yyfsp - 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 *yyfs1 = yyfs;

        /* 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);

    yyys = yyss1;
    yyvs = yyvs1;
    yyysp = yyvsp1;
}
#else /* no yyoverflow */
#ifdef 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;
        YYSTACK_RELOCATE (yyss_alloc, yyss);
        YYSTACK_RELOCATE (yyvs_alloc, yyvs);
        YYSTACK_RELOCATE (yyls_alloc, yyysp);
# undef YYSTACK_RELOCATE
        if (yyss1 != yyssa)
            YYSTACK_FREE (yyss1);
    }
# endif
#endif /* no yyoverflow */

    yyssp = yyss + yysize - 1;
    yyvsp = yyvs + yysize - 1;
    yyisp = yyysp + 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;

/*-----
| yybackup. |
'-----*/
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;

yystate = yyn;
YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
*++yyvsp = ylval;
YY_IGNORE_MAYBE_UNINITIALIZED_END
*++yylsp = ylloc;
goto yynewstate;

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

/*-----
| yyreduce -- Do a reduction. |
'-----*/
yyreduce:
  /* yyn is the number of a rule to reduce with. */
  yrlen = 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 = yyvsp[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, &yyval); } 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),
(yyvsp[-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((yyvsp[-2].ptr), (yyvsp[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, &(yylsp[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 */
    { log_expr_node_append_tail((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) = (yyvsp[-1].ptr); }
#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) = log_expr_node_new_log(log_expr_node_append_tail((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 */

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    {
    (yyval.num) = log_expr_node_lookup_flag((yyvsp[-1].cptr) | (yyvsp[0].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) = (yyvsp[0].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) = (yyvsp[0].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)); }

```



```

#line 3515 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

    case 99:
#line 816 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { last_source_options->keep_timestamp = (yyvsp[-1].num); }
#line 3521 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
        break;

    case 100:
#line 817 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { log_source_options_set_tags(last_source_options, (yyvsp[-1].ptr)); }
#line 3527 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
        break;

    case 101:
#line 818 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { last_host_resolve_options = &last_source_options->host_resolve_options;
        }
#line 3533 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
        break;

    case 103:
#line 831 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { last_host_resolve_options->use_fqdn = (yyvsp[-1].num); }
#line 3539 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
        break;

    case 104:
#line 832 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { last_host_resolve_options->use_dns = (yyvsp[-1].num); }
#line 3545 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
        break;

    case 105:
#line 833 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { last_host_resolve_options->use_dns_cache = (yyvsp[-1].num); }
#line 3551 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
        break;

    case 106:
#line 834 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
        { last_host_resolve_options->normalize_hostnames = (yyvsp[-1].num); }
#line 3557 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
        break;

    case 107:
#line 978 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */

```

```

    { 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;

case 109:
#line 983 "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */
    { CHECK_ERROR(log_matcher_options_process_flag(last_matcher_options, (yyvsp[-1].cptr)), (yylsp[-1]),
"unknown matcher flag"); free((yyvsp[-1].cptr)); }
#line 3569 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    break;

#line 3573 "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */
    default: break;
}
/* User semantic actions sometimes alter yychar, and that requires
that yytoken be updated with the new translation. We take the
approach of translating immediately before every use of yytoken.
One alternative is translating here after every semantic
action,
but that translation would be missed if the semantic action invokes
YYABORT, YYACCEPT, 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 - YYTOKENS];

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;
#ifdef YYERROR_VERBOSE
    yyerror (&yylloc, lexer, result, arg, YY_("syntax error"));
#else
    # define YYSYNTAX_ERROR yysyntax_error (&yymsg_alloc, &yymsg, \
        yyssp, yytoken)
    {
        char const *ymsgp = YY_("syntax error");
        int yysyntax_error_status;
        yysyntax_error_status = YYSYNTAX_ERROR;
        if (yysyntax_error_status == 0)
            ymsgp = yymsg;
        else if (yysyntax_error_status == 1)
            {
                if (yymsg != ymsgbuf)
                    YYSTACK_FREE (yymsg);
                yymsg = (char *) YYSTACK_ALLOC (yymsg_alloc);
                if (!yymsg)
                {
                    yymsg = ymsgbuf;
                    yymsg_alloc = sizeof ymsgbuf;
                    yysyntax_error_status = 2;
                }
            }
        else
            {
                yysyntax_error_status = YYSYNTAX_ERROR;
                ymsgp = yymsg;
            }
    }
    yyerror (&yylloc, lexer, result, arg, ymsgp);
    if (yysyntax_error_status == 2)
        goto yyexhaustedlab;
#endif
}

```

```

    }
# undef YYSYNTAX_ERROR
#endif
}

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*/ 0)
    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 (yys, yyssp);
yystate = *yyssp;
goto yyerrlab1;

/*-----
| yyerrlab1 -- common code for both syntax error and YYERROR. |
'-----*/
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 (yys, yyssp);
    }

YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
*++yyvsp = ylval;
YY_IGNORE_MAYBE_UNINITIALIZED_END

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

```

```

/* 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);
}
#ifdef yyoverflow
if (yyss != yyssa)
    YYSTACK_FREE (yyss);
#endif
#if 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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## 1.77 pcre 8.44

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## 1.78 librabbitmq 0.5.3

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# 1.79 lxc 2.0.11

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Index: tdbsa/tdb.c

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--- 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)

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/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

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Gadi Oxman, August 1995

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Theodore Ts'o  
23-June-2007

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```
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```

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```
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```

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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:

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

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

That's all there is to it!

```

#
# This 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)

```

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/

From the original distribution:

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and the M.I.T. S.I.P.B. make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

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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## 1.81 python-pip 9.0.3

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# 1.82 urllib3 1.23

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- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
  - \* NTLM-authenticated HTTPSConnectionPool
  - \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
  
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  - \* Client-verified SSL certificates for HTTPSConnectionPool
  - \* Response gzip and deflate encoding support
  - \* Better unicode support for filepost using StringIO buffers
  
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- \* Support for TLS SNI
- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
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- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
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- <<http://lukasa.co.uk/about/>>
- \* Stream method for Response objects.
- \* Return native strings in header values.
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- \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
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- \* Fixed a race condition
  
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- \* Added abstraction for granular control of request fields
  
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- \* HTTPResponse.tell() for determining amount received over the wire
  
- \* Nipunn Koorapati <nipunn1313@gmail.com>
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- \* Danilo @dbrgn <http://dbrgn.ch/>
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- \* Disabled TLS compression in pyopenssl contrib module
- \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- \* Account retries on proxy errors
  
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- \* Use the platform-specific CA certificate locations
  
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- \* HTTPHeaderDict and associated tests and docs
- \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <http://tahia.tk/>
- \* Added Timeout examples in docs
  
- \* Arthur Grunseid <http://grunseid.com>
- \* source\_address support and tests (with https://github.com/bui)
  
- \* Ian Cordasco <graffatcolmingov@gmail.com>
- \* PEP8 Compliance and Linting
- \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <erik.tollerud@gmail.com>
- \* Support for standard library io module.
  
- \* Krishna Prasad <kprasad.iitd@gmail.com>
- \* Google App Engine documentation
  
- \* Aaron Meurer <asmeurer@gmail.com>
- \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <abacabadabacaba@gmail.com>
- \* Bugfixes

- \* Benjamin Meyer <bm\_witness@yahoo.com>
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- \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <alex.gaynor@gmail.com>
- \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <ttomecek@redhat.com>
- \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <https://github.com/tlynn>
- \* Respect the warning preferences at import.
  
- \* David D. Riddle <ddriddle@illinois.edu>
- \* IPv6 bugfixes in testsuite
  
- \* Jon Wayne Parrott <jonwayne@google.com>
- \* App Engine environment tests.
  
- \* John Krauss <https://github.com/talos>
- \* Clues to debugging problems with `cryptography` dependency in docs
  
- \* Disassem <https://github.com/Disassem>
- \* Fix pool-default headers not applying for url-encoded requests like GET.
  
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- \* Bugfixes relating to cleanup of connections during errors.
  
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- \* IPv6 HTTPS proxy bugfix
  
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- \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
- \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <https://github.com/obi1kenobi>
- \* Made cert digest comparison use a constant-time algorithm.
  
- \* Adam Talsma <https://github.com/a-tal>
- \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <https://evanmeagher.net>
- \* Bugfix related to `memoryview` usage in PyOpenSSL adapter

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  - \* Python 2.6 fixes; pyflakes and pep8 compliance
  
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  - \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <ville.skytta@iki.fi>
  - \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <smtakeda@gmail.com>
  - \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jesse Shapiro <jesse@jesseshapiro.net>
  - \* Various character-encoding fixes/tweaks
  - \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <http://dafoster.net/>
  - \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <jeremy@jcline.org>
  - \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <palaviv@gmail.com>
  - \* History list to Retry object.
  - \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <nate.prewitt@gmail.com>
  - \* Ensure timeouts are not booleans and greater than zero.
  - \* Fixed infinite loop in ``stream`` when amt=None.
  - \* Added length\_remaining to determine remaining data to be read.
  - \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <sethmichaellarson@protonmail.com>
  - \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <alex.dias@smarkets.com>
  - \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <moin18@gmail.com>
  - \* Lazily load idna package
  
- \* Tom White <s6yg1ez3@mail2tor.com>
  - \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
- \* Tim Burke <tim.burke@gmail.com>
  - \* Stop buffering entire deflate-encoded responses.

- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
- \* Add counter for status\_forcelist retries.
  
- \* Erik Rose <erik@mozilla.com>
- \* Bugfix to pyopenssl vendoring
  
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- \* Bugfix related to loading full certificate chains with PyOpenSSL backend.
  
- \* Mike Miller <github@mikeage.net>
- \* Logging improvements to include the HTTP(S) port when opening a new connection
  
- \* Ioannis Tziakos <mail@itziakos.gr>
- \* Fix ``util.selectors.\_fileobj\_to\_fd`` to accept ``long``.
- \* Update appveyor tox setup to use the 64bit python.
  
- \* Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
- \* Ongoing maintenance
  
- \* Dominique Leuenberger <dimstar@opensuse.org>
- \* Minor fixes in the test suite
  
- \* Will Bond <will@wbond.net>
- \* Add Python 2.6 support to ``contrib.securetransport``
  
- \* Aleksei Alekseev <alekseev.yeskela@gmail.com>
- \* using auth info for socks proxy
  
- \* Chris Wilcox <git@crwilcox.com>
- \* Improve contribution guide
- \* Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior
  
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

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## 1.83 mtd-utils 1.5.1

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# 1.86 pyte 0.4.8

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## 1.88 python-certifi 14.05.14

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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@(#) \$RCSfile: certdata.txt,v \$

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