Open Source Used In FXOS Security Module 2.7(1) and Cisco ASA Series 9.13(1)

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 * 
 * Written by Adam Twiss (adam@zeus.co.uk). March 1996
 * 
 * Thanks to the following people for their input:
 * Mike Belshe (mbelshe@netscape.com)
 * Michael Campanella (campanella@stevms.enet.dec.com)
 */

For the expat xml parser component:

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For the server\util_md5.c component:

/************************************************************************
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 * Software Development Group
 * National Center for Supercomputing Applications
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 * 605 E. Springfield, Champaign, IL 61820
 * httpd@ncsa.uiuc.edu
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Written by Adam Twiss (adam@zeus.co.uk). March 1996
Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
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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.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cf2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>

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

  Author: Julio Merino <jmmv84@gmail.com>

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

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 textbox Exp $ -->

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

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
<xsl:template name="isc.copyright.format">
<xsl:param name="text"/>
<xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
</xsl:template>
</xsl:stylesheet>
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1.13 boost 1.58.0 :0.0

1.13.1 Available under license:

All the value based traits in this library conform to MPL's requirements for an Integral Constant type: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that true_type
inherits from `boost::mpl::true_`, `false_type` inherits from `boost::mpl::false_`, and `integral_constant<T,v>` inherits from `boost::mpl::integral_c<T,v>` (provided `T` is not `bool`)


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All the value based traits in this library conform to MPL’s requirements for an [Integral Constant type]: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `__true_type` inherits from [`boost::mpl::true_`], `__false_type` inherits from [`boost::mpl::false_`], and `__integral_constant<T, v>` inherits from [`boost::mpl::integral_c<T,v>`] (provided `T` is not `bool`)

---

```python
#!/usr/bin/env python
from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

def authors(filename):
    log = run(['git', 'log', '--follow',
                '--date=short', '--format=%aN%x09%ad', filename],
               universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('	')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):
    for author, records in groupby(aup, itemgetter(0)):
        dates = filter(None, map(itemgetter(1), records))
```

---

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if not dates: dates = alldates
start = min(dates)
end = max(dates)
fmt = '{0}' if start.year == end.year else '{0}-{1}'
line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
key = (start, author)
yield key, line
return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
        for i, line in enumerate(content[:15]):
            m = re.match(r'^(?P<prefix>\W*)(\(c\))\s*copyright\s+(?P<name>.+?)\s*$', line, re.IGNORECASE)
            if m:
                d = m.groupdict()
                prefix.add(d['prefix'])
                lines.append(i)
                names.append(d['name'].strip())
    if len(prefix) != 1:
        print 'Not found:', filename
    return

    prefix = list(prefix)[0]

    print filename
    new = iter(new_copyright(filename, names))
    with open(filename, 'w') as f:
        for i, line in enumerate(content):
            if i in lines:
                for repl in new:
                    print >>f, prefix + repl
            else:
                print >>f, line,
        pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename
    for f in all_files():
        fix_copyright(f)
<?xml version="1.0" encoding="utf-8"?>

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<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--
<ulink url="../../../index.htm">
<imagedata align="left"
    format="GIF"
    fileref="../../../boost.png"
    alt="C++ Boost" />
</ulink>-->
<!--hr /-->
<para>
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<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>&amp;#169; 2000-2002
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 *
*/

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

//
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;

    split_path(const fs::path& r, const fs::path& f)
    : root(r), file(f) {}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href="/" """" (p.root / p.file).string() << """"p.file.string() << """"/>");
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output.");
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }

    os <<
        "<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">\n" "<html>
" "<head>
" "<title>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
</title>
"</head>
"<body>
"<H1>Boost Licence Dependency Information</H1>
if(m_module_list.size() == 1) {
    os << " for " << *(m_module_list.begin());
}

os << "</H1>
"<H2>Contents</H2>
"<pre><a href="#input">Input Information</a>
if(!m_bsl_summary_mode) os << "<a href="#summary">Licence Summary</a>
os << "<a href="#details">Licence Details</a>
while(i != j) {
    // title:
    os << " <A href="" " make_link_target(licenses.first[i->first].license_name)
    " </A> " licenses.first[i->first].license_name << "/a\n"
++i;
}

os << "<a href="#files">Files with no recognised license</a>
"<a href="#authors">Files with no recognised copyright holder</a>
if(!m_bsl_summary_mode) {
    os << "Moving to the Boost Software License...
    "<a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a>
    "<a href="#to-bsl">Files that can be manually converted to the Boost Software License</a>
    "<a href="#not-to-bsl">Files that can NOT be moved to the Boost Software License</a>
    "<a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a>
    "<a href="#copyright">Copyright Holder Information</a>
}

os << "<a href="#depend">File Dependency Information</a>
"<a href="#depend">File Dependency Information</a>
""</pre>";}
else

    os << "<P>The following Boost modules were checked:<BR>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}

os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";

// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):

// fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^\[[[:blank:]]*\*\[[[:blank:]]*\#define[[:blank:]]+BOOST_VERSION[[:blank:]]+(\d+)\];\nboost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 100 << "." << version % 100 << "\n";
}

// output each license:

i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:

    os << "<a name="summary"></a><h2>Licence Summary</h2>
    while(i != j)
    {
        // title:
        os << 
            "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size()
<< " files <a href="" << make_link_target(licenses.first[i->first].license_name) << ">"(see details)</a>; 
   os << "</P></BLOCKQUOTE>\n";
   ++i;
   }
   }
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="details"/></a><h2>Licence Details</h2>
while(i != j)
{
   // title:
   os <<
   "<H3><A name="" << make_link_target(licenses.first[i->first].license_name)
   ""></A>" << licenses.first[i->first].license_name << " </H3>\n";
   // license text:
   os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << " </BLOCKQUOTE>";
if(!(m_bsl_summary_mode || (license_index >= 3))
   {
      // Copyright holders:
      os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:<P>\n</BLOCKQUOTE><P>";
      std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
   {
      os << *x << "<BR>\n";
      ++x;
   }
   os << "</P></BLOCKQUOTE>\n";
   // Files using this license:
   os << "<P>This license applies to the following " << i->second.files.size() << " files:<P>\n</BLOCKQUOTE><P>";
      std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
   {
      os << split_path(m_boost_path, *m) << "<br>\n";
      ++m;
   }
   os << "</P></BLOCKQUOTE>\n";
   }
else
{ 
  os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P><br>
  os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P><br>
} 
++license_index;
++i;
}

// Output list of files not found to be under license control:
//
// os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2><br>
"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license information:</P><br>
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>
  os << "</p></BLOCKQUOTE>";
  // Output list of files with no found copyright holder:
  //
  os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2><br>
"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:</P><br>
if(!m_bsl_summary_mode)
{
  // Output list of files that have been moved over to the Boost
  // Software License, along with enough information for human
  // verification.
  //
  os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2><br>
  os << "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:</P><br>
  if (!m_converted_to_bsl.empty())
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>::const_iterator conv_iterator;

conv_iterator i = m_converted_to_bsl.begin(), ie = m_converted_to_bsl.end();

int file_num = 1;
while (i != ie)
{
    os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first) << "</tt><br>
    <table border="1">
      <tr>
        <td><pre>" << i->second.first << "</pre></td>
        <td><pre>" << i->second.second << "</pre></td>
      </tr>
    </table>
    ++i;
    ++file_num;
}

// Output list of files that could be moved over to the Boost Software License

//
os << "<h2><a name="to-bsl"></a>Files that could be converted to the Boost Software License</h2>
";<P>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:</P>
<BLOCKQUOTE><P>
    i2 = m_can_migrate_to_bsl.begin();
    j2 = m_can_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";
    //
    // Output list of files that can not be moved over to the Boost Software License
    //
    os << "<h2><a name="not-to-bsl"></a>Files that cannot be converted to the Boost Software License</h2>
    ";<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:</P>
    i2 = m_cannot_migrate_to_bsl.begin();
    j2 = m_cannot_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";
    //
    // Output list of authors that we need permission for to move to the BSL
    //
Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in `<code>more/blanket-permission.txt</code>`.

```cpp
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "<br>
"));
```

// output a table of copyright information:

```cpp
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td" " ad->first << "</td><td>
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " ";
        ++fi;
    }
    os << "</td></tr>
    ++ad;
}
```

// output file dependency information:

```cpp
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
if(m_bsl_summary_mode)
{
    std::set<fs::path, path_less> bad_paths;
    if(m_bsl_summary_mode)
    {
        bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
        bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
        bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
        bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less> `
::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
         ie = m_converted_to_bsl.end();
while(i != ie)
{
    bad_paths.insert(i->first);
    ++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>
";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
                {
                    os << " <I>(Circular dependency!)</I>";
                    break; // circular dependency!!!
                }
            seen_deps.insert(dep->second);
            last_dep = dep;
            dep = m_dependencies.find(dep->second);
            if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
                break;
        }
    os << "\n";
    ++fi;
}
os << "</pre></BLOCKQUOTE>\n";

os << "</body></html>";
if(!os)
std::string msg("Error writing to ");
msg += m_dest_path.string();
msg += ";
std::runtime_error e(msg);
boost::throw_exception(e);

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Petersen(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.) This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

Copyright:

/\  
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\+

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Some portions are also:

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Copyright 2003-2006 Vladimir Prus.

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//\  
// (C) Copyright Ion Gaztanaga 2005-2013.
//  
// Distributed under the Boost Software License, Version 1.0.
// (See accompanying file LICENSE_1_0.txt or copy at
// http://www.boost.org/LICENSE_1_0.txt)
namespace boost {
namespace container {
namespace container_detail {

template <class T, T val>
struct integral_constant
{
  static const T value = val;
  typedef integral_constant<T, val> type;
};

template <bool C_>
struct bool_ : integral_constant<bool, C_>
{
  static const bool value = C_; 
  operator bool() const { return bool_::value; }
};

template <unsigned V_>
struct unsigned_ : integral_constant<unsigned, V_>
{
  static const unsigned value = V_; 
  operator unsigned() const { return unsigned_::value; }
};

typedef bool_<true> true_;
typedef bool_<false> false_;

} // namespace container_detail
} // namespace container
} // namespace boost


#include <boost/container/detail/config.hpp>
#include <boost/container/detail/workaround.hpp>
#include <cstddef>
typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c
{
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {};

#if defined(_MSC_VER) && (_MSC_VER >= 1400)

template <class T, class U>
struct is_convertible
{
    static const bool value = __is_convertible_to(T, U);
};
#else

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; }; //use any_conversion as first parameter since in MSVC
    //overaligned types can't go through ellipsis
    static false_t dispatch(...);
    static true_t dispatch(U);
    static T &trigger();
    public:

#endif


static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};
#endif

template<
    bool C
 , typename T1
 , typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
 , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
 , typename T2
 , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
{
    typedef Pair argument_type;
    typedef typename Pair::first_type result_type;

    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;  }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;  }
};
template <class T>
struct identity
{
    typedef T argument_type;
    typedef T result_type;

    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<> struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<> struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

template <std::size_t OrigSize, std::size_t RoundTo>
struct ct_rounded_size
{
    static const std::size_t value = ((OrigSize-1)/RoundTo+1)*RoundTo;
};

template <typename T> struct unvoid { typedef T type;};
template <> struct unvoid<void> { struct type { }; }; 
template <> struct unvoid<const void> { struct type { }; };
#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#define BOOST_CONFIG_HPP

#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#pragma once
#endif

#include <cstddef>

namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant {
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

typedef bool_<true>     true_;
typedef bool_<false>    false_;

typedef true_  true_type;
typedef false_ false_type;

} // namespace ipcdetail
} // namespace interprocess
} // namespace boost
#endif
typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c
{
    typedef T type;
};

template <class T>
struct enable_if_c<false,T>
{
};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T>
{
};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T>
{
};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2];
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
        static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
    
    template <
        bool C
        , typename T1
        , typename T2
        >
    struct if_c
    {
        typedef T1 type;
    
    template <
        typename T1
        , typename T2
        >
    struct if_c<false,T1,T2>
    {

typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;   }
    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;   }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x;   }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};
template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};
```cpp
template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {

#endif  //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
/////////////////////////////////////////////////////////////////////////////
//
// (C) Copyright Ion Gaztanaga 2006-2014
// (C) Copyright Microsoft Corporation 2014
//
// Distributed under the Boost Software License, Version 1.0.
// (See accompanying file LICENSE_1_0.txt or copy at
//    http://www.boost.org/LICENSE_1_0.txt)
//
//
/////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
#include <cstddef>

namespace boost {
    namespace intrusive {
        namespace detail {

            template <typename T, typename U>
            struct is_same
            {
                static const bool value = false;
            }

```

```
template <typename T>
struct is_same<T, T>
{
    static const bool value = true;
};

template<
typename T>
struct add_const
{
    typedef const T type;
};

template<
typename T>
struct remove_const
{
    typedef T type;
};

template<
typename T>
struct remove_const<const T>
{
    typedef T type;
};

template<
typename T>
struct remove_cv
{
    typedef T type;
};

template<
typename T>
struct remove_cv<const T>
{
    typedef T type;
};

template<
typename T>
struct remove_cv<const volatile T>
{
    typedef T type;
};

template<
typename T>
struct remove_cv<volatile T>
{
    typedef T type;
};

template<class T>
struct remove_reference
{
    typedef T type;
};

template<class T>
struct remove_reference<T&>
{
    typedef T type;
};

template<class T>
struct remove_pointer
template<class T>
struct remove_pointer<T*>
{
    typedef T type;
};

template<class T>
struct add_pointer
{
    typedef T *type;
};

typedef char one;
struct two {one _[2];};

template< bool C_ >
struct bool_
{
    static const bool value = C_; 
};

template< class Integer, Integer Value >
struct integer
{
    static const Integer value = Value;
};

typedef bool_<true> true_;
typedef bool_<false> false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c { 
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {}; 

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {}; 

template<class F, class Param>
struct apply 
{
  typedef typename F::template apply<Param>::type type;
};

#if defined(_MSC_VER) && (_MSC_VER >= 1400)
template <class T, class U>
struct is_convertible 
{
  static const bool value = __is_convertible_to(T, U);
};
#else
template <class T, class U>
class is_convertible 
{
  typedef char true_t;
  class false_t { char dummy[2]; }; 
  //use any_conversion as first parameter since in MSVC 
  //overaligned types can't go through ellipsis 
  static false_t dispatch(...);
  static true_t  dispatch(U);
  static typename remove_reference<T>::type &trigger();
  public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};
#endif

template<
    bool C 
, typename T1 
, typename T2 
>
struct if_c 
{
  typedef T1 type;
};
template<
    typename T1
 , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename C
 , typename T1
 , typename T2
>
struct if_<
{
    typedef typename if_c<0 != C::value, T1, T2>::type type;
};

template<
    bool C
 , typename F1
 , typename F2
>
struct eval_if_c
 : if_c<C,F1,F2>::type
{ }

template<
    typename C
 , typename T1
 , typename T2
>
struct eval_if
 : if_<C,T1,T2>::type
{ }

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};

template<class T, bool Add>
struct add_const_if_c
{
    typedef typename if_c
< Add
  . typename add_const<T>::type
  , T
  >::type type;
};

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative
template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{
  char c;
  T t;
  alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{
  static const std::size_t value = A < S ? A : S;
};

template< typename T >
struct alignment_of
{
  static const std::size_t value = alignment_logic
    < sizeof(alignment_of_hack<T>) - sizeof(T)
    , sizeof(T)
    >::value;
};

template<class Class>
class is_empty_class
{
  template <typename T>
  struct empty_helper_t1 : public T
  {
    empty_helper_t1();
    int i[256];
  };

  struct empty_helper_t2
  { int i[256]; };
static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>
struct ls_zeros
{
  static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
  static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
  static const std::size_t value = 0;
};

template <typename T> struct unvoid_ref { typedef T &type; };
template <> struct unvoid_ref<void> { struct type_impl { }; typedef type_impl & type; };
template <> struct unvoid_ref<const void> { struct type_impl { }; typedef type_impl & type; };

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME)     
  template <typename T, typename DefaultType>                    
  struct boost_intrusive_default_type_##TNAME                  
  {
    template <typename X>                                         
    static char test(int, typename X::TNAME*);                   
    
    template <typename X>                                         
    static int test(...);                                        
    
    struct DefaultWrap { typedef DefaultType TNAME; };          
    
    static const bool value = (1 == sizeof(test<T>(0, 0)));       
    
    typedef typename                                           
      ::boost::intrusive::detail::if_c                         
                            <value, T, DefaultWrap>::TNAME type;   
  };
#
#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL)   

typedef typename INSTANTIATION_NS_PREFIX(boost_intrusive_default_type_##TNAME< T, TIMPL>::type)

#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)
template <typename T, typename DefaultType> 
struct boost_intrusive_eval_default_type_##TNAME
{
    template <typename X> 
    static char test(int, typename X::TNAME*);

    template <typename X> 
    static int test(...);

    struct DefaultWrap 
    {
        typedef typename DefaultType::type TNAME;
    };

    static const bool value = (1 == sizeof(test<T>(0, 0)));

typedef typename 
    ::boost::intrusive::detail::eval_if_c
        < value
        , ::boost::intrusive::detail::identity<T>
        , ::boost::intrusive::detail::identity<DefaultWrap>
        >::type::TNAME type;
};

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL) 
    typename INSTANTIATION_NS_PREFIX(boost_intrusive_eval_default_type_##TNAME< T, TIMPL>::type)

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX, TYPEDEF_TO_FIND)
template <class T>
struct TRAITS_PREFIX##_bool
{
    template<bool Add>
    struct two_or_three {one _[2 + Add];};
    template <class U> static one test(...);
    template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);
    static const std::size_t value = sizeof(test<T>(0));
};

template <class T>
struct TRAITS_PREFIX##_bool_is_true
\}
static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(one)*2;\}
\}

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME, FUNC_NAME)\template <typename U, typename Signature> \class TRAITS_NAME \{ \}
private:\
template<Signature> struct helper;\}
template<typename T> \static ::boost::intrusive::detail::yes_type check(helper<&T::FUNC_NAME>*);\}
template<typename T> static ::boost::intrusive::detail::no_type check(...);\}
public:\
static const bool value = sizeof(check<U>(0)) == sizeof(::boost::intrusive::detail::yes_type);\}
\}

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME)\template <typename Type> \struct TRAITS_NAME \{ 
struct BaseMixin 
{ 
  void FUNC_NAME(); 
}; 
struct Base : public Type, public BaseMixin { Base(); }; 

template <typename T, T t> class Helper{}; 

static ::boost::intrusive::detail::no_type  check(U*, Helper<void (BaseMixin::*)(), &U::FUNC_NAME>* = 0); 

static ::boost::intrusive::detail::yes_type check(...); 

static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(check((Base*)(0)));\}

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME, FUNC_NAME) 
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME##_ignore_signature, FUNC_NAME)\template <typename Type, class> \struct TRAITS_NAME : public TRAITS_NAME##_ignore_signature<Type> \{ \}\n
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template <typename T>
inline T* addressof(T& obj)
{
    return static_cast<T*>(
        reinterpret_cast<const char&>(obj)
    );
}

#include <boost/intrusive/detail/config_end.hpp>

#include "boost/intrusive/detail/config_end.hpp"

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Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumsdaine ()
Anthony Williams (anthony -at- justsoftwaresolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christian Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)
Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)
Dan Gohman (djg -at- cray.com) (See Boost list messsage of Sat, 21 Aug 2004 10:54:59 +0100)
Dan Nuffer (dan -at- nuffer.name)
Daniel Frey (d.frey -at- gmx.de, daniel.frey -at- aixigo.de)
Daniel Nuffer (dan -at- nuffer.name)
Darin Adler (darin -at- bentspoon.com) (Email to Andreas Huber, see change log)
Daryle Walker (darylew - at - hotmail.com)
Dave Abrahams (dave@boost-consulting.com)
Dave Moore (dmoore -at- viefinancial.com) (See Boost list message of 18 Dec 2003 15:35:50 -0500)
David Abrahams (dave@boost-consulting.com)
Dietmar Kuehl (dietmar_kuehl -at- yahoo.com) (Email to Andreas Huber, see change log)
Douglas Gregor (gregod -at- cs.rpi.edu, dgregor -at- cs.indiana.edu, doug.gregor -at- gmail.com)
Dr John Maddock (john - at - johnmaddock.co.uk)
1.14 bridge-utils 1.5

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bzip2/libbzip2 version 1.0.4 of 20 December 2006
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The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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

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

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

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

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

^L

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

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

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

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appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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

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

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

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

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

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

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

That's all there is to it!

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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

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

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

> the original license (before moving to sourceforge -- aka, 2.7) was not=20
> GPL-2 ... it was a modified artistic license ... i didnt notice the license=
> change until it was mentioned in the latest notes.

> unlike the old license, GPL-2 prevents people from using cracklib unless th=
> eir=20
> applications are also GPL-2 which imo is just wrong. it isnt the place of =
> a=20
> library to dictact to application writes what license they should be using.=
> =20
> thus LGPL-2.1 enters to fill this void.
> =2Dmike
Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20
________________________________________
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
> =20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
directly
> > and see if he wants to relicense his code as LGPL... but at this
> > point,
> > it was enough to just get it consistent and documented as to what
> > it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
> > the original license (before moving to sourceforge -- aka, 2.7) was
> not
> > GPL-2 ... it was a modified artistic license ... i didn't notice the
> > license
> > change until it was mentioned in the latest notes.
> > unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> > applications are also GPL-2 which imo is just wrong. it isn't the
> > place of a
> > library to dictact to application writes what license they should
> be using.
> > thus LGPL-2.1 enters to fill this void.
> -mike
Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.
> I am sympathetic. Guys, what do you reckon?
What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

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

Cheers,

Nalin

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

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> > >
> > > I am sympathetic. Guys, what do you reckon?
> > >
> > > What I am hearing so far is that LGPL makes sense, since it can be
> > > linked with any code, not just GPL....
> > >
> > > My apologies for not chiming in in anything resembling a reasonable
> > > timeframe.
> > >
> > > I'd also suggest the LGPL, for the reason you noted above. Alternately,
> > > GPLv2 with the option of using the library under a later version of the
> > > GPL would permit applications which were released under version 3 of the
> > > GPL to use the library, too, which would be sufficient for the packages
> > > which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

?>> In any case, I thank you both for working on sorting this out.
>>
>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes, go for it. thanks++

-a

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

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
>> >> In any case, I thank you both for working on sorting this out.
>> >
>> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>>
>> yes, go for it. thanks++

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

-mike

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
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CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

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

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

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

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D31
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (hello=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
Id 11cOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2B4E1B110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56F5FEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-Originating-Delivery-Date: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

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

-a

1.22 cronie 1.5.0
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1.23 cryptsetup 1.6.7

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1.25 dante 1.2.0

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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 form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cf2bb5b6.

  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.
1.29 Diffutils 3.3

1.29.1 Available under license :

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1.30 dmidecode 2.12

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Gocheck - A rich testing framework for Go

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David Gibson <david@gibson.dropbear.id.au>
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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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Theodore Ts'o
23-June-2007

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Upstream Author(s): Lars Fenneberg <lf@elemental.net>

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src/gzip/zconf.h
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src/gzip/zutil.h
#
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its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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

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

That's all there is to it!

1.50 gcc-runtime 5.2.0
1.50.1 Available under license :

```
\" Automatically generated by Pod::Man 2.28 (Pod::Simple 3.29)
\" Standard preamble:
\" ========================================================================
\" Vertical space (when we can't use .PP)
\" Begin verbatim text
\" \$1
\" End verbatim text
\" `f R
```

Open Source Used In FXOS Security Module 2.7(1) and Cisco ASA Series 9.13(1)
\`\`\` Set up some character translations and predefined strings. \`(\- will \`\`\ give an unbreakable dash, \`(\PI will give pi, \`(\L" will give a left \`\`\ double quote, and \`(\R" will give a right double quote. \`(\C+ will \`\`\ give a nicer C++. Capital omega is used to do unbreakable dashes and \`\`\ therefore won't be available. \`(\C- and \`(\C` expand to `` in nroff, \`\`\ nothing in troff, for use with C<<.

.set */W-
.ds C+ "C\v'-1\v'\h'-1p'\u-2+\h'-1p'+s0\v'.1\v'\h'-1p'
.ie n \{
 . ds -- */W-
 . ds PI pi
 . if (\n(.H=4u)&(1m=24u) .ds -- \#/W\h'-12u\#/W\h'-12u\-\`\`\ diablo 10 pitch
 . if (\n(.H=4u)&(1m=20u) .ds -- \#/W\h'-12u\#/W\h'-8u\-\`\`\ diablo 12 pitch
 . ds L" "
 . ds R" "
 . ds C- "
 . ds C` "
 . ds C' "
 .`br{}
 .el{}
 . ds -- \#/em\}
 . ds PI \#/p
 . ds L" "
 . ds R" "
 . ds C
 . ds C'
 .`br{}
\`\`\` Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \(#aq
.el .ds Aq '
\`\`\` If the F register is turned on, we'll generate index entries on stderr for \`\`\ titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index \`\`\ entries marked with X<> in POD. Of course, you'll have to process the \`\`\ output yourself in some meaningful fashion.
\`\`\` Avoid warning from groff about undefined register 'F'.
.de IX
.. .nr rF 0
 .if \n(.g .if rF .nr rF 1
 .if (\n(rF:\n(.g==0)) \{
 . if \nF \{
 . de IX
 . tm Index:\$1\w\n%\t"\$2"
 ...
 . if !\nF==2 \{

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

\ifn \{
  \ds \#H 0
  \ds \#V 0.8m
  \ds \#F 0.3m
  \ds \#[ \&
  \ds \#] \&
\}\if

simple accents for nroff and troff

\ifn \{
  \ds ` \&
  \ds ` \&
  \ds ^ \&
  \ds , \&
  \ds ~ \&
  \ds / \&
\}\if

troff and (daisy-wheel) nroff accents

\ds : \k:h\h'-(\n.wu*8/10-*(#H)\h'\n\n:u'
\ds \k:h\h'-(\n.wu*8/10-*(#H)\h'\n\n:u'
\ds \k:h\h'-(\n.wu*10/11-*(#H)\h'\n\n:u'
\ds , \k:h\h'-(\n.wu*8/10)\h'\n\n:u'
\ds \k:h\h'-(\n.wu*8/10)'\h'\n\n:u'
\ds / \k:h\h'-(\n.wu*8/10-*(#H)\v'(s\h)\n\n:u'

troff and (daisy-wheel) nroff accents

\ds : \k:h'-/(\n.wu*8/10-*(#H+1.1m+*(#F)\v'-*(#V)\h'.2m+*(#F)\h'\n\n:u'\v'*(#V'
\ds 8 \h'*(#H'\h'*(#H'
\ds 0 \k:h\h'-(\n.wu+w\v'(de\u-*(#H)/2u'\v'-3n\v'(#)[z\v'(de\v'.3n\h')\n\n:u'\v'(#]
\ds d- \h'*(#H'(pd\h'-w\v'-25m'd2\h'\v'25m\h'\v'-*(#H'
\ds D- \k:h\h'-(\n.wu*2/3)\n\n:u'
\ds th'*(#\v'.3m's+1fs-1\v'-3.m\h'-(\wTu*2/3)s-1o's+1*(#}
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Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
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A *User Product* is either (1) a *consumer product*, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, *normally used* refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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

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

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.
Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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"END OF TERMS AND CONDITIONS"

"How to Apply These Terms to Your New Programs"
IX Subsection "How to Apply These Terms to Your New Programs"

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

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

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

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

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

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

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

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

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

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

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

e) Verify that the user has already received a copy of these
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the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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1.53 glib-2.0 2.54.3 :0

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@enumerate a
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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable `work that
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that the user who changes the contents of definitions files in the
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to use the modified definitions.)

@item
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library already present on the user's computer system, rather than
copying library functions into the executable, and (2) will operate
properly with a modified version of the library, if the user installs
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@item
Verify that the user has already received a copy of these
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@end enumerate

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@page
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# Run this script with the first argument being the location of
# gnulib's update-copyright script. Any other arguments are ignored.
# FSF copyright notices in the glibc source directory containing this
# script will be updated; glibc must then be built to update generated
# files. Copyright dates in --version copyright notices are not
# updated.

set -e

export LC_ALL=C
export UPDATE_COPYRIGHT_FORCE=1
export UPDATE_COPYRIGHT_USE_INTERVALS=2
export UPDATE_COPYRIGHT_MAX_LINE_LENGTH=79

update_script=$1

if ! [-f "$update_script" ]; then
    echo "error: first argument must point to gnulib update-copyright script" >&2
    exit 1
fi

if ! [-f "$f.ac" ]; then
    "$update_script" "$f"
fi

for f in $files; do
    case $f in
    COPYING | COPYING.LIB |
        manual/fdl-1.3.texi | manual/lgpl-2.1.texi)
        # Licenses imported verbatim from FSF sources.
        ;;
        manual/texinfo.tex | scripts/config.guess | scripts/config.sub \ 
        | scripts/install-sh | scripts/mkinstalldirs | scripts/move-if-change)
        # Other files imported verbatim from other GNU repositories.
        ;;
        po/*/po)
        # Files imported verbatim from the Translation Project.
        ;;
        INSTALL | intl/plural.c | locale/C-translit.h \ 
        | locale/programs/charmmap-kw.h | locale/programs/locfile-kw.h \ 
        | po/libc.pot | sysdeps/gnu/erlist.c)
        # Generated files.
        ;;
    configure | */configure | preconfigure | */preconfigure)
        # Possibly generated files.
    fi
    "update_script" "$f"

    fi

;;
grunt prospects

# Pre-1991 gaps in copyright years, so cannot use a single range.

UPDATE_COPYRIGHT_USE_INTERVALS=1 "$update_script" "$f"
::
*)
"$update_script" "$f"
::
esac
done

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1.55 gmp 6.0.0

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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at
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specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
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normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license
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```makefile
## *=*-makefile-*-#
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=\$(CC) -E -MM \$(DEFS) \$(CPPFLAGS)
GEN_DEPS.cc=\$(CXX) -E -MM \$(DEFS) \$(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-WL,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -WL,-soname -WL,$(notdir \$(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -WL,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.\$(STATIC_O): $\$(srcdir)/%.c
\$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
\$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

## Dependency rules
```
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1.63 Inetutils 1.9.4

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1.73 json-c/test-driver 0.12

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scriptversion=2012-06-27.10; # UTC

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1.78 krb5 1.13.2

1.78.1 Available under license:

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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

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

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

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This code is derived from section 17.1 of Applied Cryptography, second edition, which describes a stream cipher allegedly compatible with RSA Labs "RC4" cipher (the actual description of which is a trade secret). The same algorithm is used as a stream
cipher called "arcfour" in Tatu Ylonen's ssh package.

Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which
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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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

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

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

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

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

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

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

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

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

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4. You may copy and distribute the Library (or a portion or
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If distribution of object code is made by offering access to copy
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1.91 libnfsidmap 0.25

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1.104 libusb-compat 0.1.5

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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)
bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would
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Christoph Martin <martin@uni-mainz.de>
for his LIRC infrared handler

Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
Wolfram Joost <dbox2@frokaschwei.de>
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Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
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Michael Dreher <michael@5dot1.de>
Andreas ‘randy’ Weinberger
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Kenneth Aafly <ke-aa@frisurf.no>
for adding support for Typhoon DVB-S budget card

Ernst Peinlich <e.peinlich@inode.at>
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Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
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Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver
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single nxt200x frontend driver.

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

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/* 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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```
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```

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

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```

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(in case you are wondering where CyberLogin is, EON changed its login
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Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
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Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
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for the nxt2002 frontend driver

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for the nxt2004 frontend driver

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(If you think you should be in this list, but you are not, drop a
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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation
Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
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Version 2.1, February 1999

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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- Takao Abe (takao_abe@xurb.jp) - Clock driver for JJY receivers
- Mark Andrews (mark_andrews@isc.org) - Leitch atomic clock controller
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- Reg Clemens (reg@dwf.com) - Oncore driver (Current
Steve Clift &lt;clift@ml.csiro.au&gt; — OMEGA clock driver
Casey Crellin &lt;casey@csc.co.za&gt; — vxWorks (Tornado) port and help with target configuration
Sven Dietrich &lt;sven_dietrich@trimble.com&gt; — Palisade reference clock driver, NT adj. residuals, integrated Greg’s Winnt port.
John A. Dundas III &lt;dundas@salt.jpl.nasa.gov&gt; — Apple A/UX port
Torsten Duwe &lt;duwe@immd4.informatik.uni-erlangen.de&gt; — Linux port
Dennis Ferguson &lt;dennis@mrbill.canet.ca&gt; — foundation code for NTP Version 2 as specified in RFC-1119
John Hay &lt;jhay@icomtek.csir.co.za&gt; — IPv6 support and testing
Dave Hart &lt;davehart@davehart.com&gt; — General maintenance, Windows port interpolation rewrite
Claas Hilbrecht &lt;neoclock4x@linum.com&gt; — NeoClock4X clock driver
Glenn Hollinger &lt;glenn@herald.usask.ca&gt; — GOClock driver
Mike Iglesias &lt;iglesias@uci.edu&gt; — DEC Alpha port
Jim Jagielski &lt;jim@jagubox.gsfc.nasa.gov&gt; — A/UX port
Jeff Johnson &lt;jbj@chatham.usdesign.com&gt; — massive prototyping overhaul
Hans Lambermont &lt;H.Lambermont@chello.nl&gt; — ntpsweep
Poul-Henning Kamp &lt;phk@FreeBSD.ORG&gt; — Oncore driver (Original author)
Frank Kardel &lt;kardel (at) ntp (dot) org&gt; — PARSE &lt;GENERIC&gt; (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
Johannes Maximilian Kuehn &lt;kuehn@ntp.org&gt; — Rewrote &lt;sntp&gt; to comply with NTPv4 specification, &lt;ntpq saveconfig&gt;&lt;/tt&gt;
William L. Jones &lt;jones@hermes.chpc.utexas.edu&gt; — RS/6000 AIX modifications, HPUX modifications
Dave Katz &lt;dkatz@cisco.com&gt; — RS/6000 AIX port
Craig Leres &lt;leres@ee.lbl.gov&gt; — 4.4BSD port, ppsclock, Magnavox GPS clock driver
George Lindholm &lt;lindholm@ucs.ubc.ca&gt; — SunOS 5.1 port
Louis A. Mamakos &lt;louie@ni.umd.edu&gt; — MD5-based authentication
Lars H. Mathiesen &lt;thorinn@diku.dk&gt; — adaptation of foundation code for Version 3 as specified in RFC-1305
Danny Mayer &lt;mayer@ntp.org&gt; — Network I/O, Windows Port, Code Maintenance
David L. Mills &lt;mills@udel.edu&gt; — Version 4 foundation, precision
kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36

Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port

Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility

Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port

Kamal A Mostafa <kamal@whence.com> SCO OpenServer port

Derek Mulcahy <derek@toybox.demon.co.uk> and Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver

Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance

Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling

Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port

Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo

Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules

Jack Sasportas <jack@innovativeinternet.com>

Saved a Lot of space on the stuff in the html/pic/ subdirectory

Ray Schnitzler <schnitz@unipress.com> Unixware1 port

Michael Shields <shields@tembel.org> USNO clock drivers

Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver

Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)

Kenneth Stone <ken@sdd.hp.com> HP-UX port

Ajit Thyagarajan <ajit@ee.uel.edu> IP multicast/anycast support

Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver

Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues

Loganaden Velvindron <loganaden@gmail.com>

Sandboxing (libseccomp) support

Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver

Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD
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.jpg "Clone me," says Dolly sheepishly.

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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1] Takao Abe <takao_abe@xurb.jp> Clock driver for JJY receivers
2. [2] Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3] Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6] Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7] Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8] Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9] Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10] Pieter Brooks <Pieter.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11] Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12] Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13] Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14] Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15] Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16] Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg’s Winnt port.
17. [18] Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19] Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20] John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21] Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22] Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23] Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24] Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25] Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
25. [26] Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
26. [27] Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or <H.Lambermont@chello.nl> ntpsweep
27. [29] Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30] Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32] Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote snntp to comply with NTPv4 specification, ntpq saveconfig
30. [33] William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
31. [34] Dave Katz <dkatz@cisco.com> RS/6000 AIX port
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
34. [37] Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38] Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
36. [39] Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
37. [40] David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
38. [41] Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
39. [42] Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
40. [43] Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
41. [44] Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
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
52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure 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 clock driver
56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

1. mailto:20takao_abe@xurb.jp
2. mailto:20mark_andrews@isc.org
3. mailto:20altmeier@atlsoft.de
4. mailto:20vbais@mailman1.intel.co
5. mailto:20kirkwood@striderfm.intel.com
6. mailto:20michael.barone@lmco.com
7. mailto:20karl@owl.HQ.ileaf.com
8. mailto:20greg.brackley@bigfoot.com
9. mailto:20Marc.Brett@westgeo.com
10. mailto:20Piete.Brooks@cl.cam.ac.uk
11. mailto:20nelson@bolyard.me
12. mailto:20Jean-Francois.Boudreault@viagenie.qc.ca
13. mailto:20reg@dfw.com
14. mailto:20clift@nl.csiro.au
15. mailto:20casey@csc.co.za
16. mailto:20Sven_Dietrich@trimble.COM
17. mailto:20dundas@salt.jpl.nasa.gov
18. mailto:20duwe@immd4.informatik.uni-erlangen.de
19. mailto:20dennis@mrbill.canet.ca
20. mailto:20jhay@icomtek.csir.co.za
21. mailto:20davehart@davehart.com
22. mailto:20neoclock4x@linum.com
23. mailto:20glen@herald.usask.ca
24. mailto:20iglesias@uci.edu
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copyright = {
date  = "1992-2017";
owner = "The University of Delaware and Network Time Foundation";
eaddr = "http://bugs.ntp.org, bugs@ntp.org";
type  = ntp;
};
long-opts;
config-header = config.h;
environrc;
no-misuse-usage;
version-proc = ntpOptionPrintVersion;

version = `eval VERSION=`\`sed -e 's/.*\[/\[/ -e 's/\]/*/\]/ < ../sntp/m4/version.m4`` 
[ -z "$\{VERSION\}" ] && echo "Cannot determine VERSION" && kill -TERM $AG_pid 
echo $VERSION``;

version-value = "\" Don't use -v as a shortcut for --version */

/*
 * HMS: man pages already have this, and texi pages can use the
 * values in sntp/include/version.texi .
 */
// doc-sub = {
//     sub-name = version;
//     sub-text = 's/#VERSION#/<<version>>/g';
// }

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

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/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL project. 
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1.138 ossp-uuid 1.6.2 :r2
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ABSTRACT

OSSP uuid is a ISO-C:1999 application programming interface (API) and corresponding command line interface (CLI) for the generation of DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 compliant Universally Unique Identifier (UUID). It supports DCE 1.1 variant UUIDs of version 1 (time and node based), version 3 (name based, MD5), version 4 (random number based) and version 5 (name based, SHA-1). Additional API bindings are provided for the languages ISO-C++:1998, Perl:5 and PHP:4/5. Optional backward compatibility exists for the ISO-C DCE-1.1 and Perl Data::UUID APIs.

UUIDs are 128 bit numbers which are intended to have a high likelihood of uniqueness over space and time and are computationally difficult to guess. They are globally unique identifiers which can be locally generated without contacting a global registration authority. UUIDs are intended as unique identifiers for both mass tagging objects with an extremely short lifetime and to reliably identifying very persistent objects across a network.

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HOME AND DOCUMENTATION

The documentation and latest release can be found on

- http://www.ossp.org/pkg/lib/uuid/

OSSP uuid - Universally Unique Identifier

AUTHORS

This is a list of authors who have written or edited major parts of the OSSP uuid sources.

Ralf S. Engelschall <rse@engelschall.com>

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- Matthias Andree <matthias.andree@gmx.de>
- Neil Caunt <retardis@gmail.com>
- Neil Conway <neilc@samurai.com>
- M. Daniel <mdaniel@scdi.com>
- Simon “janus” Dassow <janus@errormet.de>
- Fuyuki <fuyuki@nigredo.org>
- Thomas Lotterer <thomas@lotterer.net>
- Roman Neuhauser <neuhauser@sigpipe.cz>
- Hrvoje Niksic <hnksic@xemacs.org>
- Piotr Roszatycki <dexter@debian.org>
1.139 packagegroup-core-boot 1.0 :r17.0

1.139.1 Available under license :
From RPM File Metadata:MIT

1.140 pam-ldap 184

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk
University of Cambridge Computing Service,

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The End
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>,'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.,"
built_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3

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

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match
reality.

Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.

=cut

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) { skip_all( "Not all files are available during cross-compilation" ); } my ($opt) = @ARGV;

my $readme_year = readme_year(); my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') { my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year'; } else


is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
open my $readme, '<', '../README' or die "Opening README failed: $!";

# The copyright message is the first paragraph:
local $/ = ''; my $copyright_msg = <$readme>

my ($year) = $copyright_msg =~ /\d{4,}/s
or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\d{4,}/i
or die "Copyright statement not found in perl -v output '$output'";

$year;
}

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Version 1, February 1989

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1.147 pigz-native 2.3.3
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Mark Adler
Jyrki Alakuijala
1.148 pixman 0.32.6

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1.149 pm-utils 1.4.1

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1.152 protobuf-3.2.0 3.2.0

1.153 protobuf-c 1.3.0 :0

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1.154 pyrad 1.2
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1.155 python 2.7.9
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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# Default configuration for i386-bsd-user
# Default configuration for sparc-bsd-user
# Default configuration for x86_64-bsd-user
# Default configuration for sparc64-bsd-user

/*
 FreeSDB strace list
 *
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 */

{ TARGET_FREEBSD_NR___acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_file, "__acl_aclcheck_file", "%s("%s\", %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_link, "__acl_aclcheck_link", "%s("%s\", %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_fd, "__acl_delete_fd", "%s(%d, %d)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_file, "__acl_delete_file", "%s("%s\", %d)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_link, "__acl_delete_link", "%s("%s\", %d)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_fd, "__acl_get_fd", "%s(%d, %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_file, "__acl_get_file", "%s("%s\", %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_link, "__acl_get_link", "%s("%s\", %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_fd, "__acl_set_fd", "%s(%d, %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_file, "__acl_set_file", "%s("%s\", %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_link, "__acl_set_link", "%s("%s\", %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR___semctl, "__semctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___sysctl, "__sysctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___sysctl, "__sysctl", NULL, print_sysctl, NULL },
{ TARGET_FREEBSD_NR___umtx_op, "__umtx_op", "%s(%d, %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR_accept, "accept", "%s(%d, %d, %#x, %#o)" }, NULL, NULL },
{ TARGET_FREEBSD_NR_access, "access", "%s("%s\", %d, %#x)" }, NULL, NULL },
{ TARGET_FREEBSD_NR_acct, "acct", "acct", NULL, NULL },
{ TARGET_FREEBSD_NR_adjtime, "adjtime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_bind, "bind", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_break, "break", NULL, NULL, NULL },

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{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setregid, "setregid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresgid, "setresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresuid, "setresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setrlimit, "setrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsid, "setsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsockopt, "setsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_settimeofday, "settimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setuid, "setuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmat, "shmat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmctl, "shmctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmdt, "shmdt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmget, "shmget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_signalstack, "signalstack", "%s(%p, %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sigmoiding, "sigmoiding", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_socketfree, "socketfree", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_stat, "stat", "%s(\%s, %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_statfs, "statfs", "%s(\%s, \%s)", NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink", "%s(\%s, \%s)\%s", NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_create, "thr_create", "%s(%d, %d, %d)\"", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", "%s(%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", "%s(%d, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", "%s(%d, %d, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_new, "thr_new", "%s(%d, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_set_name, "thr_set_name", "%s(%d, \%s)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_suspend, "thr_suspend", "%s(%d, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_wake, "thr_wake", "%s(%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_truncate, "truncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_umask, "umask", "%s(%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_unlink, "unlink", "%s(\%s)\", NULL, NULL },
{ TARGET_FREEBSD_NR_unmount, "unmount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_utimes, "utimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_write, "write", "%s(%d,%#x,%d)" },
{ TARGET_FREEBSD_NR_writev, "writev", "%s(%d,%p,%#x)" },

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

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

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David Gibson <david@gibson.dropbear.id.au>
(principal original author of dtc and libfdt)
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Open Source Used In FXOS Security Module  2.7(1) and Cisco ASA Series 9.13(1)
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{ TARGET_FREEBSD_NR_flock, "flock", NULL, NULL, NULL },
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/*
 * System call numbers.
 *
 * created from FreeBSD: releng/9.1/sys/kern/syscalls.master 229723
 * 2012-01-06 19:29:16Z jhb
 */

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#define `TARGET_FREEBSD_NR_write` 4
#define `TARGET_FREEBSD_NR_open` 5
#define `TARGET_FREEBSD_NR_close` 6
#define `TARGET_FREEBSD_NR_wait4` 7
    /* 8 is old creat */
#define `TARGET_FREEBSD_NR_link` 9
#define `TARGET_FREEBSD_NR_unlink` 10
    /* 11 is obsolete execv */
#define `TARGET_FREEBSD_NR_chdir` 12
#define `TARGET_FREEBSD_NR_fchdir` 13
#define `TARGET_FREEBSD_NR_mknod` 14
#define `TARGET_FREEBSD_NR_chmod` 15
#define `TARGET_FREEBSD_NR_chown` 16
#define `TARGET_FREEBSD_NR_break` 17
#define `TARGET_FREEBSD_NR_freebsd4_getfsstat` 18
    /* 19 is old lseek */
#define `TARGET_FREEBSD_NR_getpid` 20
#define `TARGET_FREEBSD_NR_mount` 21
#define `TARGET_FREEBSD_NR_unmount` 22
#define `TARGET_FREEBSD_NR_setuid` 23
#define `TARGET_FREEBSD_NR_getuid` 24
#define `TARGET_FREEBSD_NR_geteuid` 25
#define `TARGET_FREEBSD_NR_ptrace` 26
#define `TARGET_FREEBSD_NR_recvmsg` 27
#define `TARGET_FREEBSD_NR_sendmsg` 28
#define `TARGET_FREEBSD_NR_recvfrom` 29
#define `TARGET_FREEBSD_NR_accept` 30
#define TARGET_FREEBSD_NR_getgroups 79
#define TARGET_FREEBSD_NR_setgroups 80
#define TARGET_FREEBSD_NR_getpgrp  81
#define TARGET_FREEBSD_NR_setpgid  82
#define TARGET_FREEBSD_NR_setitimer 83
/* 84 is old wait */
#define TARGET_FREEBSD_NR_swapon  85
#define TARGET_FREEBSD_NR_getitimer 86
/* 87 is old gethostname */
/* 88 is old sethostname */
#define TARGET_FREEBSD_NR_getdtablesize 89
#define TARGET_FREEBSD_NR_dup2    90
#define TARGET_FREEBSD_NR_fcntl   92
#define TARGET_FREEBSD_NR_select  93
#define TARGET_FREEBSD_NR_fsync   95
#define TARGET_FREEBSD_NR_setpriority 96
#define TARGET_FREEBSD_NR_socket  97
#define TARGET_FREEBSD_NR_connect 98
/* 99 is old accept */
#define TARGET_FREEBSD_NR_getpriority 100
/* 101 is old send */
/* 102 is old recv */
/* 103 is old sigreturn */
#define TARGET_FREEBSD_NR_bind   104
#define TARGET_FREEBSD_NR_setsockopt 105
#define TARGET_FREEBSD_NR_listen 106
/* 107 is obsolete vtimes */
/* 108 is old sigvec */
/* 109 is old sigblock */
/* 110 is old sigsetmask */
/* 111 is old sigsuspend */
/* 112 is old sigstack */
/* 113 is old recvmsg */
/* 114 is old sendmsg */
/* 115 is obsolete vtrace */
#define TARGET_FREEBSD_NR_gettimeofday 116
#define TARGET_FREEBSD_NR_getrusage 117
#define TARGET_FREEBSD_NR_getsockopt 118
#define TARGET_FREEBSD_NR_readv 120
#define TARGET_FREEBSD_NR_writev 121
#define TARGET_FREEBSD_NR_settimeofday 122
#define TARGET_FREEBSD_NR_fchown 123
#define TARGET_FREEBSD_NR_fchmod 124
/* 125 is old recvfrom */
#define TARGET_FREEBSD_NR_setreuid 126
#define TARGET_FREEBSD_NR_setregid 127
#define TARGET_FREEBSD_NR_rename 128
/* 129 is old truncate */
/* 130 is old ftruncate */
#define TARGET_FREEBSD_NR_flock 131
#define TARGET_FREEBSD_NR_mkfifo 132
#define TARGET_FREEBSD_NR_sendto 133
#define TARGET_FREEBSD_NR_shutdown 134
#define TARGET_FREEBSD_NR_socketpair 135
#define TARGET_FREEBSD_NR_mkdir 136
#define TARGET_FREEBSD_NR_rmdir 137
#define TARGET_FREEBSD_NR_utimes 138
/* 139 is obsolete 4.2 sigreturn */
#define TARGET_FREEBSD_NR_adjtime 140
/* 141 is old getpeername */
/* 142 is old gethostid */
/* 143 is old sethostid */
/* 144 is old getrlimit */
/* 145 is old setrlimit */
/* 146 is old killpg */
#define TARGET_FREEBSD_NR_killpg 146 /* COMPAT */
#define TARGET_FREEBSD_NR_setsid 147
#define TARGET_FREEBSD_NR_quotactl 148
/* 149 is old quota */
/* 150 is old getsockname */
#define TARGET_FREEBSD_NR_nlm_syscall 154
#define TARGET_FREEBSD_NR_nfssvc 155
/* 156 is old getdirentries */
#define TARGET_FREEBSD_NR_freebsd4_statfs 157
#define TARGET_FREEBSD_NR_freebsd4_fstatfs 158
#define TARGET_FREEBSD_NR_lgetfh 160
#define TARGET_FREEBSD_NR_getfh 161
#define TARGET_FREEBSD_NR_freebsd4_getdomainname 162
#define TARGET_FREEBSD_NR_freebsd4_setdomainname 163
#define TARGET_FREEBSD_NR_freebsd4_uname 164
#define TARGET_FREEBSD_NR_sysarch 165
#define TARGET_FREEBSD_NR_rtprio 166
#define TARGET_FREEBSD_NR_semsys 169
#define TARGET_FREEBSD_NR_msgsys 170
#define TARGET_FREEBSD_NR_shmsys 171
#define TARGET_FREEBSD_NR_freebsd6_pread 173
#define TARGET_FREEBSD_NR_freebsd6_pwrite 174
#define TARGET_FREEBSD_NR_setfib 175
#define TARGET_FREEBSD_NR_ntp_adjtime 176
#define TARGET_FREEBSD_NR_setgid 181
#define TARGET_FREEBSD_NR_setegid 182
#define TARGET_FREEBSD_NR_seteuid 183
#define TARGET_FREEBSD_NR_stat 188
#define TARGET_FREEBSD_NR_fstat 189
#define TARGET_FREEBSD_NR_lstat 190
#define TARGET_FREEBSD_NR_pathconf 191
#define TARGET_FREEBSD_NR_fpathconf 192
#define TARGET_FREEBSD_NR_getrlimit 194
#define TARGET_FREEBSD_NR_setrlimit 195
#define TARGET_FREEBSD_NR_getdirententries 196
#define TARGET_FREEBSD_NR_freebsd6_mmap 197
#define TARGET_FREEBSD_NR___syscall 198
#define TARGET_FREEBSD_NR_freebsd6___syscall 199
#define TARGET_FREEBSD_NR_freebsd6_lseek 200
#define TARGET_FREEBSD_NR_freebsd6_truncate 200
#define TARGET_FREEBSD_NR_freebsd6_ftruncate 201
#define TARGET_FREEBSD_NR___sysctl 202
#define TARGET_FREEBSD_NR_mlock 203
#define TARGET_FREEBSD_NR_munlock 204
#define TARGET_FREEBSD_NR_undelete 205
#define TARGET_FREEBSD_NR_futimes 206
#define TARGET_FREEBSD_NR_getpgid 207
#else TARGET_FREEBSD_NR_poll 209
#define TARGET_FREEBSD_NR_freebsd7___semctl 220
#define TARGET_FREEBSD_NR___semctl 220
#define TARGET_FREEBSD_NR_semget 221
#define TARGET_FREEBSD_NR(semop 222
#define TARGET_FREEBSD_NR_freebsd7_msgset 224
#define TARGET_FREEBSD_NR_msgset 225
#define TARGET_FREEBSD_NR_msgrcv 226
#define TARGET_FREEBSD_NR_msgset 227
#define TARGET_FREEBSD_NR_shmat 228
#define TARGET_FREEBSD_NR_freebsd7_shmctl 229
#define TARGET_FREEBSD_NR_shmct 230
#define TARGET_FREEBSD_NR_shmdt 231
#define TARGET_FREEBSD_NR_clock_gettime 232
#define TARGET_FREEBSD_NR_clock_settime 233
#define TARGET_FREEBSD_NR_clock_getres 234
#define TARGET_FREEBSD_NR_ktimer_create 235
#define TARGET_FREEBSD_NR_ktimer_delete 236
#define TARGET_FREEBSD_NR_ktimer_create 237
#define TARGET_FREEBSD_NR_ktimer_settime 238
#define TARGET_FREEBSD_NR_ktimer_gettime 239
#define TARGET_FREEBSD_NR_ktimer_gettime 240
#define TARGET_FREEBSD_NR_nanosleep 240
#define TARGET_FREEBSD_NR_ntp_gettime 248
#define TARGET_FREEBSD_NR_minherit 250
#define TARGET_FREEBSD_NR_rfork 251
#define TARGET_FREEBSD_NR_openbsd_poll 252
#define TARGET_FREEBSD_NR_issetugid 253
#define TARGET_FREEBSD_NR_lchown 254
#define TARGET_FREEBSD_NR_aio_read 255
#define TARGET_FREEBSD_NR_aio_write 256
#define TARGET_FREEBSD_NR_lio_listio 257
#define TARGET_FREEBSD_NR_getdents 272
#define TARGET_FREEBSD_NR_lchmod 274
#define TARGET_FREEBSD_NR_netbsd_lchown 275
#define TARGET_FREEBSD_NR_lutimes 276
#define TARGET_FREEBSD_NR_netbsd_msync 277
#define TARGET_FREEBSD_NR_nstat 278
#define TARGET_FREEBSD_NR_nfstat 279
#define TARGET_FREEBSD_NR_nlstat 280
#define TARGET_FREEBSD_NR_preadv 289
#define TARGET_FREEBSD_NR_pwritev 290
#define TARGET_FREEBSD_NR_freebsd4_fhstatfs 297
#define TARGET_FREEBSD_NR_fhopen 298
#define TARGET_FREEBSD_NR_fhstat 299
#define TARGET_FREEBSD_NR_modnext 300
#define TARGET_FREEBSD_NR_modstat 301
#define TARGET_FREEBSD_NR_modfnext 302
#define TARGET_FREEBSD_NR_modfnd 303
#define TARGET_FREEBSD_NR_kldload 304
#define TARGET_FREEBSD_NR_kldunload 305
#define TARGET_FREEBSD_NR_kldfind 306
#define TARGET_FREEBSD_NR_kldnext 307
#define TARGET_FREEBSD_NR_kldstat 308
#define TARGET_FREEBSD_NR_kldfirstmod 309
#define TARGET_FREEBSD_NR_getsid 310
#define TARGET_FREEBSD_NR_setresuid 311
#define TARGET_FREEBSD_NR_setresgid 312
/* 313 is obsolete signanosleep */
#define TARGET_FREEBSD_NR_aio_return 314
#define TARGET_FREEBSD_NR_aio_suspend 315
#define TARGET_FREEBSD_NR_aio_cancel 316
#define TARGET_FREEBSD_NR_aio_error 317
#define TARGET_FREEBSD_NR_oaio_read 318
#define TARGET_FREEBSD_NR_oaio_write 319
#define TARGET_FREEBSD_NR_olio_listio 320
#define TARGET_FREEBSD_NR_yield 321
/* 322 is obsolete thr_sleep */
/* 323 is obsolete thr_wakeup */
#define TARGET_FREEBSD_NR_mlockall 324
#define TARGET_FREEBSD_NR_munlockall 325
#define TARGET_FREEBSD_NR__getcwd 326
#define TARGET_FREEBSD_NR_sched_setparam 327
#define TARGET_FREEBSD_NR_sched_getparam 328
#define TARGET_FREEBSD_NR_sched_setscheduler 329
#define TARGET_FREEBSD_NR_sched_getscheduler 330
#define TARGET_FREEBSD_NR_sched_yield 331
#define TARGET_FREEBSD_NR_sched_get_priority_max 332
#define TARGET_FREEBSD_NR_sched_get_priority_min 333
#define TARGET_FREEBSD_NR_sched_rr_get_interval 334
#define TARGET_FREEBSD_NR_utrace 335
#define TARGET_FREEBSD_NR_freebsd4_sendfile 336
#define TARGET_FREEBSD_NR_kldsym 337
#define TARGET_FREEBSD_NR_jail 338
#define TARGET_FREEBSD_NR_nnpfs_syscall 339
#define TARGET_FREEBSD_NR_sigprocmask 340
#define TARGET_FREEBSD_NR_sigsuspend 341
#define TARGET_FREEBSD_NR_freebsd4_siganon 342
#define TARGET_FREEBSD_NR_sigpending 343
#define TARGET_FREEBSD_NR_freebsd4_siganon_return 344
#define TARGET_FREEBSD_NR_sigvmdump 345
#define TARGET_FREEBSD_NR_sigwaitinfo 346
#define TARGET_FREEBSD_NR___acl_get_file 347
#define TARGET_FREEBSD_NR___acl_set_file 348
#define TARGET_FREEBSD_NR___acl_get_fd 349
#define TARGET_FREEBSD_NR___acl_set_fd 350
#define TARGET_FREEBSD_NR___acl_delete_file 351
#define TARGET_FREEBSD_NR___acl_delete_fd 352
#define TARGET_FREEBSD_NR___acl_aclcheck_file 353
#define TARGET_FREEBSD_NR___acl_aclcheck_fd 354
#define TARGET_FREEBSD_NR_extattrctl 355
#define TARGET_FREEBSD_NR_extattr_set_file 356
#define TARGET_FREEBSD_NR_extattr_get_file 357
#define TARGET_FREEBSD_NR_extattr_delete_file 358
#define TARGET_FREEBSD_NR_aio_waitcomplete 359
#define TARGET_FREEBSD_NR_getresuid 360
#define TARGET_FREEBSD_NR_getresgid 361
#define TARGET_FREEBSD_NR_kqueue 362
#define TARGET_FREEBSD_NR_kevent 363
#define TARGET_FREEBSD_NR_extattr_set_fd 364
#define TARGET_FREEBSD_NR_extattr_get_fd 365
#define TARGET_FREEBSD_NR_extattr_delete_fd 366
#define TARGET_FREEBSD_NR___setugid 367
#define TARGET_FREEBSD_NR_eaccess 368
#define TARGET_FREEBSD_NR_afs3_syscall 369
#define TARGET_FREEBSD_NR_nmount 370
#define TARGET_FREEBSD_NR___mac_get_proc 371
#define TARGET_FREEBSD_NR___mac_set_proc 372
#define TARGET_FREEBSD_NR___mac_get_fd 373
#define TARGET_FREEBSD_NR___mac_set_fd 374
#define TARGET_FREEBSD_NR___setugid 375
#define TARGET_FREEBSD_NR___setugid 376
#define TARGET_FREEBSD_NR_afs3_syscall 377
#define TARGET_FREEBSD_NR_nmount 378
#define TARGET_FREEBSD_NR___mac_get_proc 379
#define TARGET_FREEBSD_NR___mac_set_proc 380
#define TARGET_FREEBSD_NR___mac_get_fd 381
#define TARGET_FREEBSD_NR___mac_set_fd 382
#define TARGET_FREEBSD_NR___setugid 383
#define TARGET_FREEBSD_NR_eaccess 384
#define TARGET_FREEBSD_NR_lchflags 385
#define TARGET_FREEBSD_NR_uuidgen 386
#define TARGET_FREEBSD_NR_sendfile 387
#define TARGET_FREEBSD_NR_mac_syscall 388
#define TARGET_FREEBSD_NR_getfsstat 389
#define TARGET_FREEBSD_NR_statfs 390
#define TARGET_FREEBSD_NR_fstatfs 391
#define TARGET_FREEBSD_NR_fhstatfs 392
#define TARGET_FREEBSD_NR_getresuid 393
#define TARGET_FREEBSD_NR_getresgid 394
#define TARGET_FREEBSD_NR_getuid 395
#define TARGET_FREEBSD_NR_getgid 396
#define TARGET_FREEBSD_NR_geteuid 397
#define TARGET_FREEBSD_NR_getegid 398
#define TARGET_FREEBSD_NR_ksem_close 400
#define TARGET_FREEBSD_NR_ksem_post 401
#define TARGET_FREEBSD_NR_ksem_wait 402
#define TARGET_FREEBSD_NR_ksem_trywait 403
#define TARGET_FREEBSD_NR_ksem_init 404
#define TARGET_FREEBSD_NR_ksem_open 405
#define TARGET_FREEBSD_NR_ksem_unlink 406
#define TARGET_FREEBSD_NR_ksem_getvalue 407
#define TARGET_FREEBSD_NR_ksem_destroy 408
#define TARGET_FREEBSD_NR___mac_get_pid 409
#define TARGET_FREEBSD_NR___mac_get_link 410
#define TARGET_FREEBSD_NR___mac_set_link 411
#define TARGET_FREEBSD_NR_extattr_set_link 412
#define TARGET_FREEBSD_NR_extattr_get_link 413
#define TARGET_FREEBSD_NR_extattr_delete_link 414
#define TARGET_FREEBSD_NR___mac_execve 415
#define TARGET_FREEBSD_NR_sigreturn 417
#define TARGET_FREEBSD_NR_getcontext 421
#define TARGET_FREEBSD_NR_setcontext 422
#define TARGET_FREEBSD_NR_swapcontext 423
#define TARGET_FREEBSD_NR_swapoff 424
#define TARGET_FREEBSD_NR___acl_get_link 425
#define TARGET_FREEBSD_NR___acl_set_link 426
#define TARGET_FREEBSD_NR___acl_delete_link 427
#define TARGET_FREEBSD_NR___acl_aclcheck_link 428
#define TARGET_FREEBSD_NR_sigwait 429
#define TARGET_FREEBSD_NR_thr_create 430
#define TARGET_FREEBSD_NR_thr_exit 431
#define TARGET_FREEBSD_NR_thr_self 432
#define TARGET_FREEBSD_NR_thr_kill 433
#define TARGET_FREEBSD_NR__umtx_lock 434
#define TARGET_FREEBSD_NR__umtx_unlock 435
#define TARGET_FREEBSD_NR_jail_attach 436
#define TARGET_FREEBSD_NR_extattr_list_fd 437
#define TARGET_FREEBSD_NR_extattr_list_file 438
#define TARGET_FREEBSD_NR_extattr_list_link 439
#define TARGET_FREEBSD_NR_ksem_timedwait 441
#define TARGET_FREEBSD_NR_thr_suspend 442
#define TARGET_FREEBSD_NR_thr_wake 443
#define TARGET_FREEBSD_NR_kldunloadf 444
#define TARGET_FREEBSD_NR_audit 445
#define TARGET_FREEBSD_NR_auditon 446
#define TARGET_FREEBSD_NR_getauid 447
#define TARGET_FREEBSD_NR_setauid 448
#define TARGET_FREEBSD_NR_getaudit 449
#define TARGET_FREEBSD_NR_setaudit 450
#define TARGET_FREEBSD_NR_getaudit_addr 451
#define TARGET_FREEBSD_NR_setaudit_addr 452
#define TARGET_FREEBSD_NR_auditctl 453
#define TARGET_FREEBSD_NR__umtx_op 454
#define TARGET_FREEBSD_NR_thr_new 455
#define TARGET_FREEBSD_NR_sigqueue 456
#define TARGET_FREEBSD_NR_kmq_open 457
#define TARGET_FREEBSD_NR_kmq_setattr 458
#define TARGET_FREEBSD_NR_kmq_timedreceive 459
#define TARGET_FREEBSD_NR_kmq_timedsend 460
#define TARGET_FREEBSD_NR_kmq_notify 461
#define TARGET_FREEBSD_NR_kmq_unlink 462
#define TARGET_FREEBSD_NR_abort2 463
#define TARGET_FREEBSD_NR_thr_set_name 464
#define TARGET_FREEBSD_NR_aio_fsync 465
#define TARGET_FREEBSD_NR_rtprio_thread 466
#define TARGET_FREEBSD_NR_sctp_peeloff 471
#define TARGET_FREEBSD_NR_sctp_generic_sendmsg 472
#define TARGET_FREEBSD_NR_sctp_generic_sendmsg_iov 473
#define TARGET_FREEBSD_NR_sctp_generic_recvmsg 474
#define TARGET_FREEBSD_NR_pread 475
#define TARGET_FREEBSD_NR_pwrite 476
#define TARGET_FREEBSD_NR_mmap 477
#define TARGET_FREEBSD_NR_lseek 478
#define TARGET_FREEBSD_NR_truncate 479
#define TARGET_FREEBSD_NR_ftruncate 480
#define TARGET_FREEBSD_NR_thr_kill2 481
#define TARGET_FREEBSD_NR_shm_open 482
#define TARGET_FREEBSD_NR_shm_unlink 483
#define TARGET_FREEBSD_NR_cpuset 484
#define TARGET_FREEBSD_NR_cpuset_setid 485
#define TARGET_FREEBSD_NR_cpuset_getid 486
#define TARGET_FREEBSD_NR_cpuset_setaffinity 487
#define TARGET_FREEBSD_NR_faccessat 488
#define TARGET_FREEBSD_NR_fchmodat 489
#define TARGET_FREEBSD_NR_fchownat 490
#define TARGET_FREEBSD_NR_fexecve 491
#define TARGET_FREEBSD_NR_fexecve 492
#define TARGET_FREEBSD_NR_fstatat 493
#define TARGET_FREEBSD_NR_futimesat 494
#define TARGET_FREEBSD_NR_linkat 495
#define TARGET_FREEBSD_NR_mkdirat 496
#define TARGET_FREEBSD_NR_mkfifoat 497
#define TARGET_FREEBSD_NR_mknodat 498
#define TARGET_FREEBSD_NR_openat 499
#define TARGET_FREEBSD_NR_readlinkat 500
#define TARGET_FREEBSD_NR_renameat 501
#define TARGET_FREEBSD_NR_symlinkat 502
#define TARGET_FREEBSD_NR_unlinkat 503
/* System call numbers. */

/* created from; OpenBSD: syscalls.master,v 1.90 2008/03/16 19:42:57 otto Exp */

#define TARGET_OPENBSD_NR_syscall 0
#define TARGET_OPENBSD_NR_exit 1
#define TARGET_OPENBSD_NR_fork 2
#define TARGET_OPENBSD_NR_read 3
#define TARGET_OPENBSD_NR_write 4
#define TARGET_OPENBSD_NR_open 5
#define TARGET_OPENBSD_NR_close 6
#define TARGET_OPENBSD_NR_wait4 7
#define TARGET_OPENBSD_NR_link 9
#define TARGET_OPENBSD_NR_unlink 10
#define TARGET_OPENBSD_NR_chdir 12
#define TARGET_OPENBSD_NR_fchdir 13
#define TARGET_OPENBSD_NR_mknod 14
#define TARGET_OPENBSD_NR_chmod 15
#define TARGET_OPENBSD_NR_chown 16
#define TARGET_OPENBSD_NR_break 17
#define TARGET_OPENBSD_NR_getpid 20
#define TARGET_OPENBSD_NR_mount 21
#define TARGET_OPENBSD_NR_unmount 22
#define TARGET_OPENBSD_NR_setuid 23
#define TARGET_OPENBSD_NR_getuid 24
#define TARGET_OPENBSD_NR_geteuid 25
#define TARGET_OPENBSD_NR_ptrace 26
#define TARGET_OPENBSD_NR_recvmsg 27
#define TARGET_OPENBSD_NR_sendmsg 28
#define TARGET_OPENBSD_NR_recvfrom 29
#define TARGET_OPENBSD_NR_accept 30
#define TARGET_OPENBSD_NR_getpeername 31
#define TARGET_OPENBSD_NR_getsockopt 32
#define TARGET_OPENBSD_NR_access 33
#define TARGET_OPENBSD_NR_chflags 34
#define TARGET_OPENBSD_NR_fchflags 35
#define TARGET_OPENBSD_NR_sync 36
#define TARGET_OPENBSD_NR_kill 37
#define TARGET_OPENBSD_NR_getppid 39
#define TARGET_OPENBSD_NR_dup 41
#define TARGET_OPENBSD_NR_opipe 42
#define TARGET_OPENBSD_NR_getegid 43
#define TARGET_OPENBSD_NR_profil 44
#define TARGET_OPENBSD_NR_ktrace 45
#define TARGET_OPENBSD_NR_sigaction 46
#define TARGET_OPENBSD_NR_getgid 47
#define TARGET_OPENBSD_NR_sigprocmask 48
#define TARGET_OPENBSD_NR_getlogin 49
#define TARGET_OPENBSD_NR_setlogin 50
#define TARGET_OPENBSD_NR_acct 51
#define TARGET_OPENBSD_NR_sigpending 52
#define TARGET_OPENBSD_NR_osigaltstack 53
#define TARGET_OPENBSD_NR_ioctl 54
#define TARGET_OPENBSD_NR_reboot 55
#define TARGET_OPENBSD_NR_revoke 56
#define TARGET_OPENBSD_NR_symlink 57
#define TARGET_OPENBSD_NR_readlink 58
#define TARGET_OPENBSD_NR_execve 59
#define TARGET_OPENBSD_NR_umask 60
#define TARGET_OPENBSD_NR_chroot 61
#define TARGET_OPENBSD_NR_vfork 66
#define TARGET_OPENBSD_NR_sbrk 69
#define TARGET_OPENBSD_NR_sstk 70
#define TARGET_OPENBSD_NR_munmap 73
#define TARGET_OPENBSD_NR_mprotect 74
#define TARGET_OPENBSD_NR_madvise 75
#define TARGET_OPENBSD_NR_mincore 78
#define TARGET_OPENBSD_NR_getgroups 79
#define TARGET_OPENBSD_NR_setgroups 80
#define TARGET_OPENBSD_NR_getpgrp 81
#define TARGET_OPENBSD_NR_setpgid 82
#define TARGET_OPENBSD_NR_setitimer 83
#define TARGET_OPENBSD_NR_getitimer 86
#define TARGET_OPENBSD_NR_dup2 90
#define TARGET_OPENBSD_NR_fcntl 92
#define TARGET_OPENBSD_NR_select 93
#define TARGET_OPENBSD_NR_fsync 95
#define TARGET_OPENBSD_NR_getpriority 96
#define TARGET_OPENBSD_NR_sigreturn 103
#define TARGET_OPENBSD_NR_bind 104
#define TARGET_OPENBSD_NR_setsockopt 105
#define TARGET_OPENBSD_NR_listen 106
#define TARGET_OPENBSD_NR_sigsuspend 111
#define TARGET_OPENBSD_NR_gettimeofday 116
#define TARGET_OPENBSD_NR_getrusage 117
#define TARGET_OPENBSD_NR_getsockopt 118
#define TARGET_OPENBSD_NR_readv 120
#define TARGET_OPENBSD_NR_writev 121
#define TARGET_OPENBSD_NR_settimeofday 122
#define TARGET_OPENBSD_NR_fchown 123
#define TARGET_OPENBSD_NR_fchmod 124
#define TARGET_OPENBSD_NR_setreuid 126
#define TARGET_OPENBSD_NR_setregid 127
#define TARGET_OPENBSD_NR_rename 128
#define TARGET_OPENBSD_NR_flock 131
#define TARGET_OPENBSD_NR_mkfifo 132
#define TARGET_OPENBSD_NR_sendto 133
#define TARGET_OPENBSD_NR_shutdown 134
#define TARGET_OPENBSD_NR_socketpair 135
#define TARGET_OPENBSD_NR_mkdir 136
#define TARGET_OPENBSD_NR_rmdir 137
#define TARGET_OPENBSD_NR_utimes 138
#define TARGET_OPENBSD_NR_adjtime 140
#define TARGET_OPENBSD_NR_setsid 147
#define TARGET_OPENBSD_NR_quotactl 148
#define TARGET_OPENBSD_NR_nfssvc 155
#define TARGET_OPENBSD_NR_getfh 161
#define TARGET_OPENBSD_NR_sysarch 165
#define TARGET_OPENBSD_NR_pread 173
#define TARGET_OPENBSD_NR_pwrite      174
#define TARGET_OPENBSD_NR_setgid      181
#define TARGET_OPENBSD_NR_setegid     182
#define TARGET_OPENBSD_NR_seteuid     183
#define TARGET_OPENBSD_NR_lfs_bmapv   184
#define TARGET_OPENBSD_NR_lfs_markv   185
#define TARGET_OPENBSD_NR_lfs_segclean        186
#define TARGET_OPENBSD_NR_lfs_segwait   187
#define TARGET_OPENBSD_NR_pathconf    191
#define TARGET_OPENBSD_NR_fpathconf   192
#define TARGET_OPENBSD_NR_swapctl     193
#define TARGET_OPENBSD_NR_getrlimit   194
#define TARGET_OPENBSD_NR_setrlimit   195
#define TARGET_OPENBSD_NR_getdirentries       196
#define TARGET_OPENBSD_NR_mmap        197
#define TARGET_OPENBSD_NR___syscall   198
#define TARGET_OPENBSD_NR_lseek       199
#define TARGET_OPENBSD_NR_truncate    200
#define TARGET_OPENBSD_NR_ftruncate   201
#define TARGET_OPENBSD_NR___sysctl    202
#define TARGET_OPENBSD_NR_mlock       203
#define TARGET_OPENBSD_NR_munlock     204
#define TARGET_OPENBSD_NR_getpgid     207
#define TARGET_OPENBSD_NR_xfspioctl   208
#define TARGET_OPENBSD_NR_semget      221
#define TARGET_OPENBSD_NR_msgget      225
#define TARGET_OPENBSD_NR_msgsnd      226
#define TARGET_OPENBSD_NR_shmat       228
#define TARGET_OPENBSD_NR_shmdt       230
#define TARGET_OPENBSD_NR_clock_gettime       232
#define TARGET_OPENBSD_NR_clock_settime       233
#define TARGET_OPENBSD_NR_clock_getres        234
#define TARGET_OPENBSD_NR_nanosleep   240
#define TARGET_OPENBSD_NR_minherit    250
#define TARGET_OPENBSD_NR_rfork       251
#define TARGET_OPENBSD_NR_poll        252
#define TARGET_OPENBSD_NR_issetugid   253
#define TARGET_OPENBSD_NR_lchown      254
#define TARGET_OPENBSD_NR_getsid      255
#define TARGET_OPENBSD_NR_msync       256
#define TARGET_OPENBSD_NR_pipe        263
#define TARGET_OPENBSD_NR_fhopen      264
#define TARGET_OPENBSD_NR_preadv      267
#define TARGET_OPENBSD_NR_pwritev     268
#define TARGET_OPENBSD_NR_kqueue      269
#define TARGET_OPENBSD_NR_kevent      270
#define TARGET_OPENBSD_NR_mlockall 271
#define TARGET_OPENBSD_NR_munlockall 272
#define TARGET_OPENBSD_NR_getpeereid 273
#define TARGET_OPENBSD_NR_getresuid 281
#define TARGET_OPENBSD_NR_setresuid 282
#define TARGET_OPENBSD_NR_getresgid 283
#define TARGET_OPENBSD_NR_setresgid 284
#define TARGET_OPENBSD_NR_mquery 286
#define TARGET_OPENBSD_NR_closefrom 287
#define TARGET_OPENBSD_NR_sigaltstack 288
#define TARGET_OPENBSD_NR_shmget 289
#define TARGET_OPENBSD_NR_semop 290
#define TARGET_OPENBSD_NR_stat 291
#define TARGET_OPENBSD_NR_fstat 292
#define TARGET_OPENBSD_NR_lstat 293
#define TARGET_OPENBSD_NR_fhstat 294
#define TARGET_OPENBSD_NR___semctl 295
#define TARGET_OPENBSD_NR_shmctl 296
#define TARGET_OPENBSD_NR_msgrctl 297
#define TARGET_OPENBSD_NR_scheduled yields 298
#define TARGET_OPENBSD_NR_getthrid 299
#define TARGET_OPENBSD_NR_thrsleep 300
#define TARGET_OPENBSD_NR_thrwakeup 301
#define TARGET_OPENBSD_NR_threxit 302
#define TARGET_OPENBSD_NR_thrsigdivert 303
#define TARGET_OPENBSD_NR___getcwd 304
#define TARGET_OPENBSD_NR_adjfreq 305
#define TARGET_OPENBSD_NR_getfsstat 306
#define TARGET_OPENBSD_NR_statfs 307
#define TARGET_OPENBSD_NR_fstatfs 308
#define TARGET_OPENBSD_NR_fhstatfs 309

/* syscall flags from machine/trap.h */

/* $OpenBSD: trap.h,v 1.4 2008/07/04 22:04:37 kettenis Exp $ */
/* $NetBSD: trap.h,v 1.4 1999/06/07 05:28:04 eeh Exp $ */

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* */
#define TARGET_OPENBSD_SYSCALL_G2RFLAG 0x400   /* on success, return to %g2 rather than npc */
#define TARGET_OPENBSD_SYSCALL_G7RFLAG 0x800   /* use %g7 as above (deprecated) */
/* $OpenBSD: errno.h,v 1.20 2007/09/03 14:37:52 millert Exp $ */
/* $NetBSD: errno.h,v 1.10 1996/01/20 01:33:53 jtc Exp $ */

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---
#define TARGET_EPERM 1 /* Operation not permitted */
#define TARGET_ENOENT 2 /* No such file or directory */
#define TARGET_ESRCH 3 /* No such process */
#define TARGET_EINTR 4 /* Interrupted system call */
#define TARGET_EIO 5 /* Input/output error */
#define TARGET_ENXIO 6 /* Device not configured */
#define TARGET_E2BIG 7 /* Argument list too long */
#define TARGET_ENOEXEC 8 /* Exec format error */
#define TARGET_EBADF 9 /* Bad file descriptor */
#define TARGET_ECHILD 10 /* No child processes */
#define TARGET_EDEADLK 11 /* Resource deadlock avoided */
#define TARGET_ENOMEM 12 /* Cannot allocate memory */
#define TARGET_EACCES 13 /* Permission denied */
#define TARGET_EFAULT 14 /* Bad address */
#define TARGET_ENOTBLK 15 /* Block device required */
#define TARGET_EBUSY 16 /* Device busy */
#define TARGET_EEXIST 17 /* File exists */
#define TARGET_EXDEV 18 /* Cross-device link */
#define TARGET_ENODEV 19 /* Operation not supported by device */
#define TARGET_ENOTDIR 20 /* Not a directory */
#define TARGET_EISDIR 21 /* Is a directory */
#define TARGET EINVAL 22 /* Invalid argument */
#define TARGET_ENFILE 23 /* Too many open files in system */
#define TARGET_EMFILE 24 /* Too many open files */
#define TARGET.ENOTTY 25 /* Inappropriate ioctl for device */
#define TARGET_ETXTBSY 26 /* Text file busy */
#define TARGET_EFBIG 27 /* File too large */
#define TARGET_ENOSPC 28 /* No space left on device */
#define TARGET_ESPIPE 29 /* Illegal seek */
#define TARGET_EROFS 30 /* Read-only file system */
#define TARGET_EMLINK 31 /* Too many links */
#define TARGET_EPIPE 32 /* Broken pipe */

#define TARGET_EDOM 33 /* Numerical argument out of domain */
#define TARGET_ERANGE 34 /* Result too large */

#define TARGET_EAGAIN 35 /* Resource temporarily unavailable */
#define TARGET_EWOULDBLOCK EAGAIN /* Operation would block */
#define TARGET_EINPROGRESS 36 /* Operation now in progress */
#define TARGET_EALREADY 37 /* Operation already in progress */

* @(#)errno.h 8.5 (Berkeley) 1/21/94 */
/* ipc/network software -- argument errors */
#define TARGET_ENOTSOCK 38 /* Socket operation on non-socket */
#define TARGET_EDESTADDRREQ 39 /* Destination address required */
#define TARGET_EMSGSIZE 40 /* Message too long */
#define TARGET_EPROTOTYPE 41 /* Protocol wrong type for socket */
#define TARGET_ENOPROTOOPT 42 /* Protocol not available */
#define TARGET_EPROTONOSUPPORT 43 /* Protocol not supported */
#define TARGET_ESOCKETNOSUPPORT 44 /* Socket type not supported */
#define TARGET_EOPNOTSUPP 45 /* Operation not supported */
#define TARGET_EPFNOSUPPORT 46 /* Protocol family not supported */
#define TARGET_EAFNOSUPPORT 47 /* Address family not supported by protocol family */
#define TARGET_EADDRINUSE 48 /* Address already in use */
#define TARGET_EADDRNOTAVAIL 49 /* Can't assign requested address */

/* ipc/network software -- operational errors */
#define TARGET_ENETDOWN 50 /* Network is down */
#define TARGET_ENETUNREACH 51 /* Network is unreachable */
#define TARGET_ENETRESET 52 /* Network dropped connection on reset */
#define TARGET_ECONNABORTED 53 /* Software caused connection abort */
#define TARGET_ECONNRESET 54 /* Connection reset by peer */
#define TARGET_ENOBUFS 55 /* No buffer space available */
#define TARGET_EISCONN 56 /* Socket is already connected */
#define TARGET_ENOTCONN 57 /* Socket is not connected */
#define TARGET_ESHUTDOWN 58 /* Can't send after socket shutdown */
#define TARGET_ETOOMANYREFS 59 /* Too many references: can't splice */
#define TARGET_ETIMEDOUT 60 /* Operation timed out */
#define TARGET_ECONNREFUSED 61 /* Connection refused */
#define TARGET_ELOOP 62 /* Too many levels of symbolic links */
#define TARGET_ENAMETOOLONG 63 /* File name too long */

/* should be rearranged */
#define TARGET_EHOSTDOWN 64 /* Host is down */
#define TARGET_EHOSTUNREACH 65 /* No route to host */
#define TARGET_ENOTEMPTY 66 /* Directory not empty */

/* quotas & mush */
#define TARGET_EPROCLIM 67 /* Too many processes */
#define TARGET_EUSERS 68 /* Too many users */
#define TARGET_EDQUOT 69 /* Disk quota exceeded */

/* Network File System */
#define TARGET_ESTALE 70 /* Stale NFS file handle */
#define TARGET_EREMOTE 71 /* Too many levels of remote in path */
#define TARGET_EBADRPC 72 /* RPC struct is bad */
#define TARGET_EPROCMISMATCH 73 /* RPC version wrong */
#define TARGET_EPROGUNAVAIL 74 /* RPC prog. not avail */
#define TARGET_EPROGMISMATCH 75 /* Program version wrong */
/* Bad procedure for program */
#define TARGET_EPROCUNAVAIL     76
/* No locks available */
#define TARGET_ENOLCK           77
/* Function not implemented */
#define TARGET_ENOSYS           78
/* Inappropriate file type or format */
#define TARGET_EFTYPE           79
/* Authentication error */
#define TARGET_EAUTH            80
/* IPsec processing failure */
#define TARGET_EIPSEC           82
/* Attribute not found */
#define TARGET_ENOATTR          83
/* Illegal byte sequence */
#define TARGET_EILSEQ           84
/* No medium found */
#define TARGET_ENOMEDIUM        85
/* Wrong Medium Type */
#define TARGET_EMEDIUMTYPE      86
/* Conversion overflow */
#define TARGET_EOVERFLOW        87
/* Operation canceled */
#define TARGET_ECANCELED        88
/* Identifier removed */
#define TARGET_EIDRM            89
/* No message of desired type */
#define TARGET_ENOMSG           90
/* Must be equal largest errno */
#define TARGET_ELAST            90

#define TARGET_NETBSD_NR_syscall     0
#define TARGET_NETBSD_NR_exit        1
#define TARGET_NETBSD_NR_fork        2
#define TARGET_NETBSD_NR_read        3
#define TARGET_NETBSD_NR_write       4
#define TARGET_NETBSD_NR_open        5
#define TARGET_NETBSD_NR_close       6
#define TARGET_NETBSD_NR_wait4       7
#define TARGET_NETBSD_NR_compat_43_ocreat    8
#define TARGET_NETBSD_NR_link        9
#define TARGET_NETBSD_NR_unlink      10
#define TARGET_NETBSD_NR_chdir       12
#define TARGET_NETBSD_NR_fchdir      13
#define TARGET_NETBSD_NR_mknod       14
#define TARGET_NETBSD_NR_chmod       15
#define TARGET_NETBSD_NR_chown       16
#define TARGET_NETBSD_NR_break       17
#define TARGET_NETBSD_NR_compat_20_getfsstat 18
#define TARGET_NETBSD_NR_compat_40_mount     21
#define TARGET_NETBSD_NRUnmount 22
#define TARGET_NETBSD_NRsetuid 23
#define TARGET_NETBSD_NR_getuid 24
#define TARGET_NETBSD_NR_geteuid 25
#define TARGET_NETBSD_NR_ptrace 26
#define TARGET_NETBSD_NR_recvmsg 27
#define TARGET_NETBSD_NR_sendmsg 28
#define TARGET_NETBSD_NR_recvfrom 29
#define TARGET_NETBSD_NR_accept 30
#define TARGET_NETBSD_NR_getpeername 31
#define TARGET_NETBSD_NR_getsockname 32
#define TARGET_NETBSD_NR_access 33
#define TARGET_NETBSD_NR_chflags 34
#define TARGET_NETBSD_NR_fchflags 35
#define TARGET_NETBSD_NR_sync 36
#define TARGET_NETBSD_NR_kill 37
#define TARGET_NETBSD_NR_compat_43_stat43 38
#define TARGET_NETBSD_NR_getppid 39
#define TARGET_NETBSD_NR_compat_43_lstat43 40
#define TARGET_NETBSD_NR_dup 41
#define TARGET_NETBSD_NR_pipe 42
#define TARGET_NETBSD_NR_getegid 43
#define TARGET_NETBSD_NR_profif 44
#define TARGET_NETBSD_NR_ktrace 45
#define TARGET_NETBSD_NR_compat_13_sigaction13 46
#define TARGET_NETBSD_NR_getgid 47
#define TARGET_NETBSD_NR_compat_13_sigprocmask13 48
#define TARGET_NETBSD_NR___getlogin 49
#define TARGET_NETBSD_NR___setlogin 50
#define TARGET_NETBSD_NR_acct 51
#define TARGET_NETBSD_NR_compat_13_sigpending13 52
#define TARGET_NETBSD_NR_compat_13_sigt STack13 53
#define TARGET_NETBSD_NR_ioctl 54
#define TARGET_NETBSD_NR_compat_12_oreboot 55
#define TARGET_NETBSD_NR_revoke 56
#define TARGET_NETBSD_NR_symlink 57
#define TARGET_NETBSD_NR_readlink 58
#define TARGET_NETBSD_NR_execve 59
#define TARGET_NETBSD_NR_umask 60
#define TARGET_NETBSD_NR_chroot 61
#define TARGET_NETBSD_NR_compat_43_fstat43 62
#define TARGET_NETBSD_NR_compat_43_ogetkerninfo 63
#define TARGET_NETBSD_NR_compat_43_ogetpagesize 64
#define TARGET_NETBSD_NR_compat_12_msync 65
#define TARGET_NETBSD_NR_vfork 66
#define TARGET_NETBSD_NR_sbrk 69
#define TARGET_NETBSD_NR_sstk 70
#define TARGET_NETBSD_NR_compat_43_ommap 71
#define TARGET_NETBSD_NR_vadvise 72
#define TARGET_NETBSD_NR_munmap 73
#define TARGET_NETBSD_NR_mprotect 74
#define TARGET_NETBSD_NR_madvise 75
#define TARGET_NETBSD_NR_mincore 78
#define TARGET_NETBSD_NR_getgroups 79
#define TARGET_NETBSD_NR_setgroups 80
#define TARGET_NETBSD_NR_getpgrp 81
#define TARGET_NETBSD_NR_setpgid 82
#define TARGET_NETBSD_NR_setitimer 83
#define TARGET_NETBSD_NR_compat_43_owait 84
#define TARGET_NETBSD_NR_compat_12_oswapon 85
#define TARGET_NETBSD_NR_getitimer 86
#define TARGET_NETBSD_NR_compat_43_ogethostname 87
#define TARGET_NETBSD_NR_compat_43_osethostname 88
#define TARGET_NETBSD_NR_compat_43_ogetdtablesize 89
#define TARGET_NETBSD_NR_dup2 90
#define TARGET_NETBSD_NR_fcntl 92
#define TARGET_NETBSD_NR_select 93
#define TARGET_NETBSD_NR_fsync 95
#define TARGET_NETBSD_NR_setpriority 96
#define TARGET_NETBSD_NR_compat_30_socket 97
#define TARGET_NETBSD_NR_connect 98
#define TARGET_NETBSD_NR_compat_43_oaccept 99
#define TARGET_NETBSD_NR_getpriority 100
#define TARGET_NETBSD_NR_compat_43_osend 101
#define TARGET_NETBSD_NR_compat_43_orecv 102
#define TARGET_NETBSD_NR_compat_13_sigreturn13 103
#define TARGET_NETBSD_NR_bind 104
#define TARGET_NETBSD_NR_setsockopt 105
#define TARGET_NETBSD_NR_listen 106
#define TARGET_NETBSD_NR_compat_43_osigvec 108
#define TARGET_NETBSD_NR_compat_43_osigblock 109
#define TARGET_NETBSD_NR_compat_43_osigsetmask 110
#define TARGET_NETBSD_NR_compat_13_sigsuspend13 111
#define TARGET_NETBSD_NR_compat_43_osigstack 112
#define TARGET_NETBSD_NR_compat_43_orecvmsg 113
#define TARGET_NETBSD_NR_compat_43_osendmsg 114
#define TARGET_NETBSD_NR_gettimeofday 116
#define TARGET_NETBSD_NR_getrusage 117
#define TARGET_NETBSD_NR_getsockopt 118
#define TARGET_NETBSD_NR_readv 120
#define TARGET_NETBSD_NR_writev 121
#define TARGET_NETBSD_NR_settimeofday 122
#define TARGET_NETBSD_NR_fchown 123
#define TARGET_NETBSD_NR_fchmod 124
#define TARGET_NETBSD_NR_compat_43_orecvfrom 125
#define TARGET_NETBSD_NR_setreuid 126
#define TARGET_NETBSD_NR_setregid 127
#define TARGET_NETBSD_NR_rename 128
#define TARGET_NETBSD_NR_compat_43_otruncate 129
#define TARGET_NETBSD_NR_compat_43_oftruncate 130
#define TARGET_NETBSD_NR_flock 131
#define TARGET_NETBSD_NR_mkfifo 132
#define TARGET_NETBSD_NR_sendto 133
#define TARGET_NETBSD_NR_shutdown 134
#define TARGET_NETBSD_NR_socketpair 135
#define TARGET_NETBSD_NR_mkdir 136
#define TARGET_NETBSD_NR_rmdir 137
#define TARGET_NETBSD_NR_utimes 138
#define TARGET_NETBSD_NR_adjtime 140
#define TARGET_NETBSD_NR_compat_43_ogetpeername 141
#define TARGET_NETBSD_NR_compat_43_ogethostid 142
#define TARGET_NETBSD_NR_compat_43_osethostid 143
#define TARGET_NETBSD_NR_compat_43_ogetrlimit 144
#define TARGET_NETBSD_NR_compat_43_osetrlimit 145
#define TARGET_NETBSD_NR_compat_43_osetpg 146
#define TARGET_NETBSD_NR_setsid 147
#define TARGET_NETBSD_NR_quotactl 148
#define TARGET_NETBSD_NR_compat_43_ouquota 149
#define TARGET_NETBSD_NR_compat_43_ogetsockname 150
#define TARGET_NETBSD_NR_nfssvc 155
#define TARGET_NETBSD_NR_compat_43_ogetdirentries 156
#define TARGET_NETBSD_NR_compat_20_statfs 157
#define TARGET_NETBSD_NR_compat_20_fstatfs 158
#define TARGET_NETBSD_NR_compat_30_getfh 159
#define TARGET_NETBSD_NR_compat_09_ouname 160
#define TARGET_NETBSD_NR_sysarch 165
#define TARGET_NETBSD_NR_compat_10_osemsys 169
#define TARGET_NETBSD_NR_compat_10_omsgsys 170
#define TARGET_NETBSD_NR_compat_10_oshmsys 171
#define TARGET_NETBSD_NR_pread 173
#define TARGET_NETBSD_NR_pwrite 174
#define TARGET_NETBSD_NR_compat_30_ntp_gettime 175
#define TARGET_NETBSD_NR_ntp_adjtime 176
#define TARGET_NETBSD_NR_setgid 181
#define TARGET_NETBSD_NR_setegid 182
#define TARGET_NETBSD_NR_seteuid 183
#define TARGET_NETBSD_NR_lfs_bmapv 184
#define TARGET_NETBSD_NR_lfs_markv 185
#define TARGET_NETBSD_NR_lfs_segwait 186
#define TARGET_NETBSD_NR_lfs_segclean 187
#define TARGET_NETBSD_NR_compat_12_stat12 188
#define TARGET_NETBSD_NR_compat_12_fstat12 189
#define TARGET_NETBSD_NR_compat_12_lstat12 190
#define TARGET_NETBSD_NR_pathconf 191
#define TARGET_NETBSD_NR_fpathconf 192
#define TARGET_NETBSD_NR_getrlimit 194
#define TARGET_NETBSD_NR_setrlimit 195
#define TARGET_NETBSD_NR_compat_12_getdirentries 196
#define TARGET_NETBSD_NR_mmap 197
#define TARGET_NETBSD_NR___syscall 198
#define TARGET_NETBSD_NR_lseek 199
#define TARGET_NETBSD_NR_truncate 200
#define TARGET_NETBSD_NR_ftruncate 201
#define TARGET_NETBSD_NR___sysctl 202
#define TARGET_NETBSD_NR_mlock 203
#define TARGET_NETBSD_NR_munlock 204
#define TARGET_NETBSD_NR_undelete 205
#define TARGET_NETBSD_NR_futimes 206
#define TARGET_NETBSD_NR_getpgid 207
#define TARGET_NETBSD_NR_reboot 208
#define TARGET_NETBSD_NR_poll 209
#define TARGET_NETBSD_NR_compat_14___semctl 220
#define TARGET_NETBSD_NR_semget 221
#define TARGET_NETBSD_NR_semop 222
#define TARGET_NETBSD_NR_semconfig 223
#define TARGET_NETBSD_NR_compat_14_msgctl 224
#define TARGET_NETBSD_NR_msgget 225
#define TARGET_NETBSD_NR_msgsnd 226
#define TARGET_NETBSD_NR_msgrcv 227
#define TARGET_NETBSD_NR_shmat 228
#define TARGET_NETBSD_NR_compat_14_shmctl 229
#define TARGET_NETBSD_NR_shmdt 230
#define TARGET_NETBSD_NR_shmget 231
#define TARGET_NETBSD_NR_clock_gettime 232
#define TARGET_NETBSD_NR_clock_settime 233
#define TARGET_NETBSD_NR_clock_getres 234
#define TARGET_NETBSD_NR_timer_create 235
#define TARGET_NETBSD_NR_timer_delete 236
#define TARGET_NETBSD_NR_timer_settime 237
#define TARGET_NETBSD_NR_timer_gettime 238
#define TARGET_NETBSD_NR_timer_getoverrun 239
#define TARGET_NETBSD_NR_nanosleep 240
#define TARGET_NETBSD_NR_fdatasync 241
#define TARGET_NETBSD_NR_mlockall 242
#define TARGET_NETBSD_NR_munlockall 243
#define TARGET_NETBSD_NR___sigtimedwait 244
#define TARGET_NETBSD_NR_modctl 246
#define TARGET_NETBSD_NR___ksem_init 247
#define TARGET_NETBSD_NR__ksem_open 248
#define TARGET_NETBSD_NR__ksem_unlink 249
#define TARGET_NETBSD_NR__ksem_close 250
#define TARGET_NETBSD_NR__ksem_post 251
#define TARGET_NETBSD_NR__ksem_wait 252
#define TARGET_NETBSD_NR__ksem_trywait 253
#define TARGET_NETBSD_NR__ksem_getvalue 254
#define TARGET_NETBSD_NR__ksem_destroy 255
#define TARGET_NETBSD_NR_mq_open 257
#define TARGET_NETBSD_NR_mq_close 258
#define TARGET_NETBSD_NR_mq_unlink 259
#define TARGET_NETBSD_NR_mq_getattr 260
#define TARGET_NETBSD_NR_mq_setattr 261
#define TARGET_NETBSD_NR_mq_notify 262
#define TARGET_NETBSD_NR_mq_send 263
#define TARGET_NETBSD_NR_mq_receive 264
#define TARGET_NETBSD_NR_mq_timedsend 265
#define TARGET_NETBSD_NR_mq_timedreceive 266
#define TARGET_NETBSD_NR___posix_rename 270
#define TARGET_NETBSD_NR_swapctl 271
#define TARGET_NETBSD_NR_compat_30_getdents 272
#define TARGET_NETBSD_NR_minherit 273
#define TARGET_NETBSD_NR_lchmod 274
#define TARGET_NETBSD_NR_lchown 275
#define TARGET_NETBSD_NR_lutimes 276
#define TARGET_NETBSD_NR___msync13 277
#define TARGET_NETBSD_NR_compat_30___stat13 278
#define TARGET_NETBSD_NR_compat_30___fstat13 279
#define TARGET_NETBSD_NR_compat_30___lstat13 280
#define TARGET_NETBSD_NR___posix_chown 283
#define TARGET_NETBSD_NR___posix_fchown 284
#define TARGET_NETBSD_NR___posix_lchown 285
#define TARGET_NETBSD_NR__getsid 286
#define TARGET_NETBSD_NR__clone 287
#define TARGET_NETBSD_NR_fktrace 288
#define TARGET_NETBSD_NR_preadv 289
#define TARGET_NETBSD_NR_pwritev 290
#define TARGET_NETBSD_NR_compat_16___sigaction14 291
#define TARGET_NETBSD_NR__sigpending14 292
#define TARGET_NETBSD_NR__sigprocmask14 293
#define TARGET_NETBSD_NR__sigsuspend14 294
#define TARGET_NETBSD_NR_compat_16___sigreturn14 295
#define TARGET_NETBSD_NR__getcwd 296
#define TARGET_NETBSD_NR__fchroot 297
#define TARGET_NETBSD_NR_compat_30_fhopen 298
#define TARGET_NETBSD_NR_compat_30_fhstat 299
#define TARGET_NETBSD_NR___mount50 410
#define TARGET_NETBSD_NR_mremap 411
#define TARGET_NETBSD_NR_pset_create 412
#define TARGET_NETBSD_NR_pset_destroy 413
#define TARGET_NETBSD_NR_pset_assign 414
#define TARGET_NETBSD_NR___posix_fadvise50 416
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 *
 * @(#)mman.h 8.2 (Berkeley) 1/9/95
 */

#define TARGET_FREEBSD_MAP_RESERVED0080 0x0080 /* previously misimplemented MAP_INHERIT */
#define TARGET_FREEBSD_MAP_RESERVED0100 0x0100 /* previously unimplemented MAP_NOEXTEND */
#define TARGET_FREEBSD_MAP_STACK 0x0400 /* region grows down, like a stack */
#define TARGET_FREEBSD_MAP_NOSYNC 0x0800 /* page to but do not sync underlying file */
#define TARGET_FREEBSD_MAP_FLAGMASK 0x1ff7

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* SUCH DAMAGE.
*
*      @(#)mman.h      8.2 (Berkeley) 1/9/95
*/
#define TARGET_NETBSD_MAP_INHERIT       0x0080  /* region is retained after exec */
#define TARGET_NETBSD_MAP_TRYFIXED      0x0400 /* attempt hint address, even within break */
#define TARGET_NETBSD_MAP_WIRED         0x0800  /* mlock() mapping when it is established */

#define TARGET_NETBSD_MAP_STACK         0x2000  /* allocated from memory, swap space (stack) */

#define TARGET_NETBSD_MAP_FLAGMASK      0x3ff7

/* $NetBSD: mman.h,v 1.11 1995/03/26 20:24:23 jtc Exp $ */

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*
*      @(#)mman.h      8.1 (Berkeley) 6/2/93
*/

#define TARGET_OPENBSD_MAP_INHERIT      0x0080  /* region is retained after exec */
#define TARGET_OPENBSD_MAP_NOEXTEND     0x0100  /* for MAP_FILE, don't change file size */
#define TARGET_OPENBSD_MAP_TRYFIXED     0x0400  /* attempt hint address, even within heap */
#define TARGET_OPENBSD_MAP_FLAGMASK     0x17f7

// XXX
#define TARGET_BSD_MAP_FLAGMASK         0x3ff7
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# ****************************************************************************/

ifndef TOP
TOP = $(shell while ! test -e make.rules; do cd ..  ; done; pwd)
export TOP
endif
include $(TOP)/make.rules

SUBDIRS=
ifeq ($(SNK_BIOSEMU_APPS), 1)
SUBDIRS += x86emu
endif
CLEANSUBDIRS = $(SUBDIRS)

all :
for subdir in $(SUBDIRS) ; do $(MAKE) -C $${subdir} || exit 1 ; done

# Common targets for all subdirectories:
clean distclean depend:
for subdir in $(CLEANSUBDIRS) ; do $(MAKE) -C $${subdir} S@ ; done
# ***********************************************************************
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# * are made available under the terms of the BSD License
ifndef TOP
TOP = $(shell while ! test -e make.rules; do cd .. ; done; pwd)
export TOP
endif
include $(TOP)/make.rules

ROOTDIR ?= ../..

LDFLAGS=
ASFLAGS= -I./include -Wa,-mregnames

#NOTE: -DDEBUG only needed for debugging/tracing...
CFLAGS= -UDEBUG -m64 -I. -I./include -I./include/x86emu \ 
    -I$(TOP)/clients/net-snki/include -I$(ROOTDIR)/include \ 
    -I$(ROOTDIR)/lib/libc/include -O3 -nostdinc -fno-builtin \ 
    -ffreestanding -Wall -Wno-unused

X86EMU_OBJS= debug.o decode.o fpu.o ops2.o ops.o prim_ops.o sys.o

%.o: %.S
$(CC) $(ASFLAGS) -c -o $@ $^ 

%.o: %.c
$(CC) $(CFLAGS) -c -o $@ $^ 

all: libx86emu.a

libx86emu.a: $(X86EMU_OBJS)
$(AR) -rc $@ $^ 
$(RANLIB) $@

clean:
$(RM) *.o *.i *.s libx86emu.a

distclean: clean

# * which accompanies this distribution, and is available at
# * http://www.opensource.org/licenses/bsd-license.php
# *
# * Contributors:
# * IBM Corporation - initial implementation
# *****************************************/
#!/bin/bash
#set -x
#set -e

SVN=`which svn`
PATCH=`which patch`
DIFF_FILE=./x86emu_changes.diff

# check wether svn, patch, ... is available...

if [ ! -x $SVN ]; then
echo "subversion executable not found!"
exit -1
fi
if [ ! -x $PATCH ]; then
echo "patch executable not found!"
exit -1
fi
if [ ! -r $DIFF_FILE ]; then
echo "diff file $DIFF_FILE not found!"
exit -1
fi

# download the x86emu sources from LinuxBIOS subversion

#revision known to work...
REV=496

echo "Checking out x86emu from coreboot-v3 repository revision $REV"
$SVN co svn://coreboot.org/repository/coreboot-v3/util/x86emu -r $REV

echo "Copying files..."

mkdir -p include/x86emu
cp -v x86emu/x86emu/*.c .
cp -v x86emu/x86emu/*.*.h include/x86emu
cp -v x86emu/include/x86emu/*.h include/x86emu

echo "Removing checkedout subversion director..."

rmdir x86emu
echo "Patching files..."

SPATCH -p0 < x86emu_changes.diff

echo "done"
exit 0

Index: debug.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
void X86EMU_trace_regs (void)
{
    if (DEBUG_TRACE()) {
-        x86emu_dump_regs();
+        if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+            x86emu_dump_xregs();
+        } else {
+            x86emu_dump_regs();
+        }
    }
    if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) {
        printk("%04x:%04x ", M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
    for (i=0; i< M.x86.enc_pos; i++) {
        sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
    }
-    printk("%-20s",buf1);
+    printk("%-20s ",buf1);
}

static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c 7 Sep 2007 10:01:21 -0000 1.1
+++ ops2.c 20 Mar 2008 15:48:34 -0000 1.3
@@ -149,8 +149,69 @@
    target += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", target);
TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
        M.x86.R_IP = (u16)target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+    }
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
+}
+/
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+****************************************************************************/
+s32 x86emu_bswap(s32 reg)
+{
+    // perform the byte swap
+    s32 temp = reg;
+    reg = (temp & 0xFF000000) >> 24;
+    reg |= (temp & 0xFF0000) >> 8;
+    reg |= (temp & 0xFF00) << 8;
+    reg |= (temp & 0xFF) << 24;
+    return reg;
+}
+
+void x86emuOp2_bswap(u8 op2)
+{
+    /* byte swap 32 bit register */
+    START_OF_INSTR();
+    DECODE_PRINTF("BSWAP
");
+    switch (op2) {
+        case 0xc8:
+            DECODE_PRINTF("EAX
");
+            M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
+            break;
+        case 0xc9:
+            DECODE_PRINTF("ECX
");
+            M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+            break;
+        case 0xca:
+            DECODE_PRINTF("EDX
");
+            M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+            break;
+        case 0xcb:
+            DECODE_PRINTF("EBX
");
+            M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+            break;
+        case 0xcc:
+ DECODE_PRINTF("ESP\n");
+ M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+ break;
+ case 0xcd:
+ DECODE_PRINTF("EBP\n");
+ M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+ break;
+ case 0xce:
+ DECODE_PRINTF("ESI\n");
+ M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+ break;
+ case 0xcf:
+ DECODE_PRINTF("EDI\n");
+ M.x86.R_EDI = x86emu_bswap(M.x86.R_EDI);
+ break;
+ }
+ TRACE_AND_STEP();
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
}
--- ops.c 7 Sep 2007 10:01:21 -0000
+++ ops.c 20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@
     imm = (s8)fetch_byte_imm();
     DECODE_PRINTF2("PUSH\t%d\n", imm);
     TRACE_AND_STEP();
-    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
     DECODE_CLEAR_SEGOVR();
     END_OF_INSTR();
 }
@@ -1256,8 +1260,10 @@
     target = (u16)(M.x86.R_IP + (s16)offset);
     DECODE_PRINTF2("%x\n", target);
     TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
        M.x86.R_IP = target;
+            JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
     DECODE_CLEAR_SEGOVR();
     END_OF_INSTR();
 }
@@ -2516,9 +2522,11 @@
     if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
         /* dont care whether REPE or REPNE */
 -        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
         M.x86.R_CX = 0;
         if (M.x86.mode & SYSMODE_32BIT_REP)
             M.x86.R_ECX = 0;
         M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
     }
     while (count--) {
@@ -2526,6 +2534,8 @@
         store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
         M.x86.R_SI += inc;
         M.x86.R_DI += inc;
+        if (M.x86.intr & INTR_HALTED)
+            break;
     }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2559,9 +2569,11 @@
count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX = 0;
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--) {
@@ -2574,6 +2586,8 @@
    }
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
    }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2598,16 +2612,21 @@
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* REPE */
-        /* move them until CX is ZERO. */
-        while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val1 = fetch_data_byte(M.x86.R_SI);
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_byte(val1, val2);
            M.x86.R_CX -= 1;
+            if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
        if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
        if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+        if (M.x86.intr & INTR_HALTED)
+            break;
        }


M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2644,8 +2663,8 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* REPE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
        + /* move them until (E)CX is ZERO. */
        + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val1 = fetch_data_long(M.x86.R_SI);
                val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
            }
        }
    }
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    +    M.x86.R_ECX -= 1;
    + else
    +    M.x86.R_CX -= 1;
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
    if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
    + if (M.x86.intr & INTR_HALTED)
    + break;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2741,11 +2765,16 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
        + /* move them until (E)CX is ZERO. */
        + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
        }
    }
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    +    M.x86.R_ECX -= 1;
    + else
    +    M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    + if (M.x86.intr & INTR_HALTED)
    + break;

M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
        - /* move them until CX is ZERO. */
        - count = M.x86.R_CX;
        + /* move them until (E)CX is ZERO. */
        + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
        +if (M.x86.mode & SYSMODE_32BIT_REP)
            M.x86.R_ECX = 0;
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--) {
        store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
        M.x86.R_DI += inc;
        +if (M.x86.intr & INTR_HALTED)
            break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
    inc = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
        - /* move them until CX is ZERO. */
        - while (M.x86.R_CX != 0) {
        + /* move them until (E)CX is ZERO. */
        + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
            M.x86.R_CX -= 1;
            + if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            + else
                M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
            + if (M.x86.intr & INTR_HALTED)
                break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
        count = 1;
    }
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* move them until CX is ZERO. */
    - count = M.x86.R_CX;
    + /* move them until (E)CX is ZERO. */
    + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    + M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}

while (count--) {
    M.x86.R_AX = fetch_data_word(M.x86.R_SI);
    }
    M.x86.R_SI += inc;
    + if (M.x86.intr & INTR_HALTED)
    + break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();

inc = 1;
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* REPE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
    + /* move them until (E)CX is ZERO. */
    + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    + M.x86.R_ECX -= 1;
    + else
    + M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF) == 0)
        break;
    + if (M.x86.intr & INTR_HALTED)
    + break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
    } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
    + /* move them until (E)CX is ZERO. */
    + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    + M.x86.R_ECX -= 1;
    + else
    + M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF) == 0)
        break;
    + if (M.x86.intr & INTR_HALTED)
    + break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
    }
}
while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_CX : M.x86.R_CX) != 0) {
    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    +     M.x86.R_ECX -= 1;
    + else
    +     M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break; /* zero flag set means equal */
    + if (M.x86.intr & INTR_HALTED)
    +     break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -2951,8 +3003,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE */
        - while (M.x86.R_CX != 0) {
        -     /* move them until CX is ZERO. */
        -     while (M.x86.R_CX != 0) {
        +     /* move them until (E)CX is ZERO. */
        +     while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_long(M.x86.R_EAX, val);
        }
        -     M.x86.R_CX -= 1;
        + if (M.x86.mode & SYSMODE_32BIT_REP)
        +     M.x86.R_ECX -= 1;
        + else
        +     M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF) == 0)
            break;
        + if (M.x86.intr & INTR_HALTED)
        +     break;
    }
M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
    - while (M.x86.R_CX != 0) {
    -     /* move them until CX is ZERO. */
    -     while (M.x86.R_CX != 0) {
    +     /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_CX : M.x86.R_EQ) != 0) {
    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
        val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_long(M.x86.R_EAX, val);
    } else {
        val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_word(M.x86.R_AX, (u16)val);
    }
    M.x86.R_CX -= 1;
    ++M.x86.R_DI;
    if (ACCESS_FLAG(F_ZF))
        break;      /* zero flag set means equal */
    if (M.x86.intr & INTR_HALTED) 
        break;
    M.x86.mode &= ~SYSMODE_PREFIX_REP;
} else {
    DECODE_PRINTF("RET\n");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
    -RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
    TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
    @ -3254.9 +3316.9 @ @
    }
    START_OF_INSTR();
    DECODE_PRINTF("RETF\n");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
    -RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
    TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
TRACE_AND_STEP();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3488,10 +3550,10 @@
    {    
        START_OF_INSTR();
        DECODE_PRINTF("RETF
");
-RETURN_TRACE("RETF", M.x86.saved_cs, M.x86.saved_ip);
    TRAC
@ @ -4062,8 +4130,11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0)
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0)
     /* (E)CX != 0 */
     M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4085,8 +4156,10 @@
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
TRACE_AND_STEP();
- if (M.x86.R_CX == 0)
+ if (M.x86.R_CX == 0) {
+ M.x86.R_IP = target;
+  JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+ }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4213,6 +4286,7 @@
ip = (s16)fetch_word_imm();
ip += (s16)M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
TRACE_AND_STEP();
M.x86.R_IP = (u16)ip;
DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
cs = fetch_word_imm();
DECODE_PRINTF2("%04x:", cs);
DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = ip;
M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
offset = (s8)fetch_byte_imm();
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECLARE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
    DECLARE_PRINTF("REPNE\n");
    TRACE_AND_STEP();
    M.x86.mode |= SYSMODE_PREFIX_REPNE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECLARE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4371,6 +4449,8 @@
    DECLARE_PRINTF("REPE\n");
    TRACE_AND_STEP();
    M.x86.mode |= SYSMODE_PREFIX_REPE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECLARE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -5013,12 +5093,14 @@
break;
case 4: /* jmp word ptr */
    destval = fetch_data_word(destoffset);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
    TRACE_AND_STEP();
    M.x86.R_IP = destval;
break;
case 5: /* jmp far ptr */
    destval = fetch_data_word(destoffset);
    destval2 = fetch_data_word(destoffset + 2);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
    TRACE_AND_STEP();
    M.x86.R_IP = destval;
    M.x86.R_CS = destval2;
Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c 7 Sep 2007 10:01:21 -0000
+++ prim_ops.c 16 Jan 2008 14:18:15 -0000
@@ -1921,7 +1921,7 @@
    void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)

s64 res = (s64)d * (s64)s;
+ s64 res = (s64)(s32)d * (s64)(s32)s;

*res_lo = (u32)res;
*res_hi = (u32)(res >> 32);
@@ -2013,7 +2013,7 @@
void mul_long(u32 s)
{
    #ifdef __HAS_LONG_LONG__
-    u64 res = (u32)M.x86.R_EAX * (u32)s;
+    u64 res = (u64)M.x86.R_EAX * s;
    M.x86.R_EAX = (u32)res;
    M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* in until CX is ZERO. */
-        u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+        /* in until (E)CX is ZERO. */
+        u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
            M.x86.R_ECX : M.x86.R_CX);
-        while (count--) {
+        while (count--) {
            single_in(size);
            M.x86.R_DI += inc;
        }
        M.x86.R_CX = 0;
-        if (M.x86.mode & SYSMODE_PREFIX_DATA) {
-            if (M.x86.mode & SYSMODE_32BIT_REP) {
-                M.x86.R_ECX = 0;
-            }
-            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
        } else {
            /* out until CX is ZERO. */
-        u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+        u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
                M.x86.R_ECX : M.x86.R_CX);
            while (count--) {
                single_out(size);
                M.x86.R_SI += inc;
            }
        M.x86.R_CX = 0;
if (M.x86.mode & SYSMODE_PREFIX_DATA) {
    M.x86.R_ECX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);

#include <x86emu/regs.h>
#include "debug.h"
#include "prim_ops.h"
#ifdef LINUXBIOS_VERSION
    #include "io.h"
#else
    #include <sys/io.h>
    #endif
#ifdef IN_MODULE
    #include "xf86_ansic.h"
#endif

DB(if (DEBUG_IO_TRACE())
printf("inb %#04x \n", addr);
return inb(addr);
+return 0;
}

DB(if (DEBUG_IO_TRACE())
printf("inw %#04x \n", addr);
return inw(addr);
+return 0;
}

DB(if (DEBUG_IO_TRACE())
printf("inl %#04x \n", addr);
return inl(addr);
void X86EMU_setMemBase(void *base, size_t size)
{
    -M.mem_base = (int) base;
    +M.mem_base = (unsigned long) base;
    M.mem_size = size;
}

Index: include/x86emu/debug.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h7 Sep 2007 10:01:21 -00001.1
+++ include/x86emu/debug.h20 Mar 2008 15:25:27 -00001.4
@ -40,8 +40,6 @@
 #ifndef __X86EMU_DEBUG_H
#define __X86EMU_DEBUG_H

Open Source Used In FXOS Security Module 2.7(1) and Cisco ASA Series 9.13(1)

Index: include/x86emu/regs.h
```c
#define SYSMODE_PREFIX_REPNE   0x00000100
#define SYSMODE_PREFIX_DATA    0x00000200
#define SYSMODE_PREFIX_ADDR    0x00000400
+#phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+#the 32bit ECX register as or the 16bit CX register as count register
+##define SYSMODE_32BIT_REP   0x00000800
+##define SYSMODE_INTR_PENDING 0x10000000
+##define SYSMODE_EXTRN_INTR  0x20000000
+##define SYSMODE_HALTED      0x40000000
@@ -231,6 +231,9 @@
 #define SYSMODE_PREFIX_REPNE   0x00000100
 #define SYSMODE_PREFIX_DATA    0x00000200
 #define SYSMODE_PREFIX_ADDR    0x00000400
+#phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+#the 32bit ECX register as or the 16bit CX register as count register
+##define SYSMODE_32BIT_REP   0x00000800
+##define SYSMODE_INTR_PENDING 0x10000000
+##define SYSMODE_EXTRN_INTR  0x20000000
+##define SYSMODE_HALTED      0x40000000
@@ -250,7 +253,8 @@
SYSMODE_SEGOVR_GS      | \$
SYSMODE_SEGOVR_SS      | \$
SYSMODE_PREFIX_DATA    | \$
- SYMODE_PREFIX_ADDR)
+ SYMODE_PREFIX_ADDR    | \$
+ SYMODE_32BIT_REP)
#define  INTR_SYNCH           0x1
#define  INTR_ASYNCH          0x2
@@ -274,9 +278,9 @@
*/
  u32                         mode;
  volatile int                intr; /* mask of pending interrupts */
-int   debug;
+  volatile int                debug;
#ifdef DEBUG
-int   check;
+ int   check;
  u16                         saved_ip;
  u16                         saved_cs;
  int                         enc_pos;
Index: include/x86emu/x86emu.h
```


#include <console.h>
#define printk(x...) printk(BIOS_DEBUG, x)
#endif
+ #include <stdio.h>
#define printk printf
#endif
@@ -189,6 +181,8 @@
#define DEBUG_TRACECALL_REGS_F  0x004000
#define DEBUG_DECODE_NOPRINT_F  0x008000
#define DEBUG_SAVE_IP_CS_F      0x010000
+#define DEBUG_TRACEJMP_F        0x020000
+#define DEBUG_TRACEJMP_REGS_F   0x040000
#define DEBUG_SYS_F             (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#endif /* __X86EMU_X86EMU_H */
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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

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

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```
make bin/rtl8139.rom.licence
```

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

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

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

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

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

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

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I would like to thank the following people (in alphabetical order):

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If I've missed anyone, it's due to oversight. Drop me a line and I'll rectify the situation as quickly as possible.

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

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c) Accompany the work with a written offer, valid for at least
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d) If distribution of the work is made by offering access to copy
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RRDTOOL - Round Robin Database Tool
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That's all there is to it!
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Mark Plaksin <happy@usg.edu> rrd_graph_v
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Poul-Henning Kamp <phk with freebsd.org> CDEF enhancements
REIBENSCHUH Alfred <alfred.reibenschuh with it-austria.com> AIX
Radoslaw Karas <karas with tyndall.ie>
Rainer Bawidamann <Rainer.Bawidamann with informatik.uni-ulm.de>
Roman Hoogant <rhhoo0100 with ee.ethz.ch>
Ronan Mullally <ronan in 4L.ie>
Roger J. Meier <roger.meier in terreactive.ch> (arbitrary linelength in rrdtool)
Russ Wright <rrwright with home.com>
Sean Summers <sean with Fenstemaker.com> (RPM .spec)
Selena M Brewington <smbrewin with ichips.intel.com> add_ds
Shane O'Donnell <shaneo with opennms.org>
Simon Leinen <simon with switch.ch>
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Stefan Ludewig <Stefan.Ludewig at exitgames.com> 1.3 WIN32 Port
Stefan Mueller <s.mueller with computer.org> HPUX 11
Steve Harris <steveh with wesley.com.au> AIX portability
Steve Rader <rader with teak.wiscnet.net> (rrd_cgi debugging and LAST)
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Ulf Lilleengen <ulf with pvv.ntnu.no> Python binding for ‘rrdtool first’
Ulrich Schilling <schilling with netz.uni-essen.de> AIX
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Vytautas Zdanavicius <vytaszd@yahoo.com> -- python argument list exander
Martin Sperl <rrdtool martin.sperl.org> (CDEF prediction functions, libdbi)
Philippe Simonet <philippe.simonet with swisscom.ch> (Windows Binaries)
Alexander Lucke (lucke with dns-net.de) of DNS:NET Internet Services (www.dns-net.de) http://rrdtool.org
Hedley Simons <heds@metahusky.net>
Nicola Worthington <nicolaw@cpan.org>
Wegmann, Christof <Christof.Wegmann@exitgames.com> 1.3/trunk win32 port

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

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

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**1.165 sed 4.2.2**

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Version 3, 29 June 2007

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

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
SATO, Yuichi
Sánchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
Chornoivan, Yuri
Diguez, Francisco
Ferreira, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédéric
Hein, Jochen
Jerovek, Damir
Karvonen, Jorma
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frédéric
Margeviius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Qun, Trn Ngc
Regueiro, Leandro
Sarer, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wylmer

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=====

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/* 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 "INFRINGEMENT 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 */

#ifdef YY_NULLPTR
#if defined __cplusplus && 201103L <= __cplusplus
#define YY_NULLPTR nullptr
#else
#define YY_NULLPTR 0
#endif
#endif

/* Enabling verbose error messages. */
define YYERROR_VERBOSE

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# 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_RECV = 10340,
KW_FACILITY = 10350,
KW_LEVEL = 10351,
KW_HOST = 10352,
KW_MATCH = 10353,
KW_MESSAGE = 10354,
KW_NETMASK = 10355,
KW_TAGS = 10356,
KW_VALUE = 10361,
KW_REWRITE = 10370,
KW_SET = 10371,
KW_SUBST = 10372,
KW_YES = 10380,
KW_NO = 10381,
KW_IFDEF = 10410,
KW_ENDIF = 10411,
LL_DOTDOT = 10420,
LL_IDENTIFIER = 10421,
LL_NUMBER = 10422,
LL_FLOAT = 10423,
LL_STRING = 10424,
LL_TOKEN = 10425,
LL_BLOCK = 10426,
LL_PRAGMA = 10427,
LL_EOL = 10428,
LL_ERROR = 10429,
KW_VALUE_PAIRS = 10500,
KW_SELECT = 10501,
KW_EXCLUDE = 10502,
KW_PAIR = 10503,
KW_KEY = 10504,
KW_SCOPE = 10505,
KW_SHIFT = 10506,
KW_REKEY = 10507,
KW_ADD_PREFIX = 10508,
KW_REPLACE_PREFIX = 10509,
KW_ON_ERROR = 10510,
KW_RETRIES = 10511,
KW_CONDITION = 10513,
KW_SET_TAG = 10514,
KW_CLEAR_TAG = 10515,
KW_GROUP_SET = 10516
);
#endif
/* Tokens. */
#define LL_CONTEXT_ROOT 1
#define LL_CONTEXT_DESTINATION 2
#define LL_CONTEXT_SOURCE 3
#define LL_CONTEXT_PARSER 4
#define LL_CONTEXT_REWRITE 5
#define LL_CONTEXT_FILTER 6
#define LL_CONTEXT_LOG 7
#define LL_CONTEXT_BLOCK_DEF 8
#define LL_CONTEXT_BLOCK_REF 9
#define LL_CONTEXT_BLOCK_CONTENT 10
#define LL_CONTEXT_BLOCK_ARG 11
#define LL_CONTEXT_PRAGMA 12
#define LL_CONTEXT_FORMAT 13
#define LL_CONTEXT_TEMPLATE_FUNC 14
#define LL_CONTEXT_INNER_DEST 15
#define LL_CONTEXT_INNER_SRC 16
#define LL_CONTEXT_CLIENT_PROTO 17
#define LL_CONTEXT_SERVER_PROTO 18
#define KW_SOURCE 10000
#define KW_FILTER 10001
#define KW_PARSER 10002
#define KW_DESTINATION 10003
#define KW_LOG 10004
#define KW_OPTIONS 10005
#define KW_INCLUDE 10006
#define KW_BLOCK 10007
#define KW_JUNCTION 10008
#define KW_CHANNEL 10009
#define KW_INTERNAL 10010
#define KW_FILE 10011
#define KW_SQL 10030
#define KW_TYPE 10031
#define KW_COLUMNS 10032
#define KW_INDEXES 10033
#define KW_VALUES 10034
#define KW_PASSWORD 10035
#define KW_DATABASE 10036
#define KW_USERNAME 10037
#define KW_TABLE 10038
#define KW_ENCODING 10039
#define KW_SESSION_STATEMENTS 10040
#define KW_DELIMITERS 10050
#define KW_QUOTES 10051
#define KW_QUOTE_PAIRS 10052
#define KW_NULL 10053
#define KW_SYSLOG 10060
#define KW_MARK_FREQ 10071
#define KW_STATS_FREQ 10072
#define KW_STATS_LEVEL 10073
#define KW_STATS_LIFETIME 10074
#define KW_FLUSH_LINES 10075
#define KW_SUPPRESS 10076
#define KW_FLUSH_TIMEOUT 10077
#define KW_LOG_MSG_SIZE 10078
#define KW_FILE_TEMPLATE 10079
#define KWPROTO 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_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
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#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_NETMASK 10355
#define KW_TAGS 10356
#define KW_VALUE 10361
#define KW_REWRITE 10370
#define KW_SET 10371
#define KW_SUBST 10372
#define KW_REKEY 10373
#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;

#include "plugin.h"

#define YYLLOC_DEFAULT(Current, Rhs, N)                                
do {                                                                  
  

if (N) {
    (Current).level = YYRHSLOC(Rhs, 1).level;
    (Current).first_line = YYRHSLOC (Rhs, 1).first_line;
    (Current).first_column = YYRHSLOC (Rhs, 1).first_column;
    (Current).last_line = YYRHSLOC (Rhs, N).last_line;
    (Current).last_column = YYRHSLOC (Rhs, N).last_column;
} else {
    (Current).level = YYRHSLOC(Rhs, 0).level;
    (Current).first_line = (Current).last_line = YYRHSLOC (Rhs, 0).last_line;
    (Current).first_column = (Current).last_column = YYRHSLOC (Rhs, 0).last_column;
} while (0)

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

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

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

#define YYMAXDEPTH 20000

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

#ifndef short
# undef short
#endif

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

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

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

#ifndef 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 short
# undef short
#endif

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

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

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

#ifndef 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__
# 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 short
# undef short
#endif

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

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

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

#ifndef 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__
# 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 short
# undef short
#endif

#ifndef YYTYPE_UINT8
typedef YYTYPE_UINT8_typeof_uint8;
#else
typedef unsigned char_typeof_uint8;
#endif

#ifndef YYTYPE_INT8
typedef YYTYPE_INT8_typeof_int8;
#else
typedef signed char_typeof_int8;
#endif

#ifndef YYTYPE_UINT16
typedef YYTYPE_UINT16_typeof_uint16;
#else
typedef unsigned short int_typeof_uint16;
#endif

#ifndef YYTYPE_INT16
typedef YYTYPE_INT16_typeof_int16;
#else
typedef short int_typeof_int16;
#endif

#ifndef YYSIZE_T
# ifdef __SIZE_TYPE__
#  define YYSIZE_T __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 short
# undef short
#endif

#ifndef YYTYPE_UINT8
typedef YYTYPE_UINT8_typeof_uint8;
#else
typedef unsigned char_typeof_uint8;
#endif

#ifndef YYTYPE_INT8
typedef YYTYPE_INT8_typeof_int8;
#else
typedef signed char_typeof_int8;
#endif

#ifndef YYTYPE_UINT16
typedef YYTYPE_UINT16_typeof_uint16;
#else
typedef unsigned short int_typeof_uint16;
#endif

#ifndef YYTYPE_INT16
typedef YYTYPE_INT16_typeof_int16;
#else
typedef short int_typeof_int16;
#endif
# endif
#endif

#define YY_SIZE_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
#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
#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
#include <unistd.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <arpa/inet.h>
#include <netdb.h>
#include <assert.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <float.h>
#include <wchar.h>
#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
#include <setjmp.h>
#include <signal.h>
#include <errno.h>
#include <ctype.h>
#include <string.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
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#include <wchar.h>
#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
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#include <sys/time.h>
#include <sys/resource.h>
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#include <wchar.h>
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#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
#include <setjmp.h>
#include <signal.h>
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#include <float.h>
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#include <math.h>
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#include <locale.h>
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#include <sys/time.h>
#include <sys/resource.h>
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#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <float.h>
#include <wchar.h>
#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
#include <setjmp.h>
#include <signal.h>
#include <errno.h>
#include <ctype.h>
#include <string.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <float.h>
#include <wchar.h>
#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
#include <setjmp.h>
#include <signal.h>
#include <errno.h>
#include <ctype.h>
#include <string.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <float.h>
#include <wchar.h>
#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
#include <setjmp.h>
#include <signal.h>
#include <errno.h>
#include <ctype.h>
#include <string.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <float.h>
#include <wchar.h>
#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
#include <setjmp.h>
#include <signal.h>
#include <errno.h>
#include <ctype.h>
#include <string.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <float.h>
#include <wchar.h>
#include <locale.h>
#include <time.h>
#include <sys/time.h>
#include <sys/resource.h>
#include <setjmp.h>
#include <signal.h>
#include <errno.h>
#include <ctype.h>
#include <string.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <float.f
/* define YYUSE(E) */ empty */
#endif

#ifdef __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
#endif
#ifndef YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
#define YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
#define YY_IGNORE_MAYBE_UNINITIALIZED_END
#endif
#ifndef YY_INITIAL_VALUE
#define YY_INITIAL_VALUE(Value) /* Nothing. */
#endif

#if ! defined yyoverflow || YYERROR_VERBOSE
/* The parser invokes alloca or malloc; define the necessary symbols. */
#ifdef YYSTACK_USE_ALLOCA
#define 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 */
#ifndef EXIT_SUCCESS
#define EXIT_SUCCESS 0
#endif
#endif
#endif
#endif
#endif
#define YYSTACK_ALLOCalloca
#endif
#endif
#define YYSTACK_ALLOCalloca
#endif
#endif
#endif
#endif
#endif
# endif

#endif

#if defined YYSTACK_ALLOC
 /* Pacify GCC's 'empty if-body' warning. */
#define YYSTACK_FREE(Ptr) do { /* empty *; */ } while (0)
#endif

/* 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

#elif defined YYSTACK_ALLOC YYMALLOC
#define YYSTACK_FREE YYFREE
#endif

#define YYSTACK_ALLOC.Maximum 4032 /* reasonable circa 2006 */
#endif

#else
#define YYSTACK_ALLOC YYMALLOC
#define YYSTACK_FREE YYFREE
#define YYSTACK_ALLOC.Maximum YYSIZE_MAXIMUM
#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)))

#define YYSTACK_ALLOC 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 yyalloc
{
    yytype_int16 yyss_alloc;
    YYSTYPE yyvs_alloc;
    YYLTYPE yyls_alloc;
};

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

/* The size of an array large enough to hold all stacks, each with */
/* N elements.  */
#define YYSTACK_BYTES(N) 
    ((N) * (sizeof (yytype_int16) + sizeof (YYSTYPE) + sizeof (YYLTYPE)) 
    + 2 * YYSTACK_GAP_MAXIMUM)
#define YYCOPY_NEEDED 1

/* Relocate STACK from its old location to the new one.  The */
/* local variables YYSIZE and YYSTACKSIZE give the old and new number of */
/* elements in the stack, and YYPTR gives the new location of the */
/* stack.  Advance YYPTR to a properly aligned location for the next */
/* stack.  */
#define YYSTACK_RELOCATE(Stack_alloc, Stack)                           
    do                                                                  
        {                                                             
            YYSIZE_T yynewbytes;                                
            YYCOPY (&yyptr->Stack_alloc, Stack, yysize);            
            Stack = &yyptr->Stack_alloc;                           
            yynewbytes = yystacksize * sizeof (*Stack) + YYSTACK_GAP_MAXIMUM;  
            yyptr += yynewbytes / sizeof (*yyptr);                  
        }                                                   
    while (0)
#endif
#if defined YYCOPY_NEEDED && YYCOPY_NEEDED
/* Copy COUNT objects from SRC to DST.  The source and destination do */
/* not overlap.  */
#if !defined YYCOPY
# if defined __GNUC__ && __GNUC__ <= 4
#define YYCOPY(Dst, Src, Count) 
    do                                      
        {                                  
            (void)__builtin_memcpy (Dst, Src, 
                (Count) * sizeof (*(Src)));  
        }                                     
    while (0)
#else
#define YYCOPY(Dst, Src, Count)  
    do                                      
        {                                  
            (void)memcpy (Dst, Src, 
                (Count) * sizeof (*(Src)));  
        }                                     
    while (0)
#endif
#endif
#if defined YYCOPY_NEEDED && YYCOPY_NEEDED
/* Copy COUNT objects from SRC to DST.  The source and destination do */
/* not overlap.  */
#if !defined YYCOPY
# if defined __GNUC__ && __GNUC__ <= 4
#define YYCOPY(Dst, Src, Count) 
    do                                      
        {                                  
            (void)__builtin_memcpy (Dst, Src, 
                (Count) * sizeof (*(Src)));  
        }                                     
    while (0)
#else
#define YYCOPY(Dst, Src, Count)  
    do                                      
        {                                  
            (void)memcpy (Dst, Src, 
                (Count) * sizeof (*(Src)));  
        }                                     
    while (0)
#endif
#endif
YYSIZE_T yyi; \nfor (yyi = 0; yyi < (Count); yyi++) \n    (Dst)[yyi] = (Src)[yyi]; \n} \n    \nwhile (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
#define YYMAXUTOK 10516

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

/* YYTRANSLATE[TOKEN-NUM] -- Symbol number corresponding to TOKEN-NUM
as returned by yylex, without out-of-bounds checking. */
static const yytype_uint8 yytranslate[] =
{
    0,  3,  4,  5,  6,  7,  8,  9, 10, 11,
   12, 13, 14, 15, 16, 17, 18, 19, 20,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
  153, 154,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2, 158,
   157,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
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#if YYDEBUG
/* YYRLINE[YYN] -- Source line where rule number YYN was defined. */
static const yytype_uint16 yyrline[] =
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_RECVID",
"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_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_RECVID", "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", "KWIFDEF", "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_SET_TAG", "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", "\"(\", \"\")\", \"\"\", \"\"\", \"\"\"\", \"\"\", \"\"\", \"\"\", \"\"\", \"\"\", 
"Sacctap", "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", "$@10",
"dest_items", "dest_item", "dest_plugin", "log_items", "log_item",
"log Junction", "log_last Junction", "logforks", "logfork",
"log_content", "log_flags", "log_flags_items", "string", "yesno",
"dnsmode", "string_list", "string_list_build", "semicolon",
"source_option", "$@12", "host_resolve_option", "matcher_option",
"matcher_flags", YY_NULLPTR
];
#endif

#if YYPRINT
/* YYTOKNUM[NUM] -- (External) token number corresponding to the 
 (internal) symbol number NUM (which must be that of a token). */
static const yytype_uint16 yytoknum[] =
{
  0, 256, 10512, 1, 2, 3, 4, 5, 6, 7,
  8, 9, 10, 11, 12, 13, 14, 15, 16, 17,
  18, 10000, 10001, 10002, 10003, 10004, 10005, 10006, 10007, 10008,
  10009, 10010, 10011, 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, -106, -55, 
  -106, -106, -75, -49, -44, -106, -6, -6, 17, -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, -75, -75, -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, -75, -106, -106, -75, -75, -106, -106, -106, -106, 
  -20, -20, -106, -17, -17, 9, -75, 10, -75, 11, 
  -106, -106, 15, 18, 19, 21, 26, 27, 28, 29, 
  -106, -56, -106, -26, -106, -85, -85, -85, 22, -75, 
  -75, -75, -106, 30, 31, 32, 33, -106, -106, 
  -106, -106, 34, 35, 36, 37, 38, 39, 40, 41, 
  -106, -106, 42, -106, -106, 43, 44, 45, -106, -106, 
  -106, -106
};

/* YYDEFACT[STATE-NUM] -- Default reduction number in state STATE-NUM.
   Performed when YYTABLE does not specify something else to do. Zero
   means the default is an error. */
static const yytype_uint8 yydefact[] =
{
  5, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 |

/* YYPGOTO[NTERM-NUM]. */
static const yytype_int8 yypgoto[] =
{
-106, -106, 49, 16, -106, -106, -106, 61, -106,
51, -106, -106, 78, -28, -13, -106, -106, -106,
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,
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, 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, -1, 154, 154,
  154, 154, 154, 154, 154, 154, 154, 154, 154,
  -1, -1, -1, 181, 158
};

/* YYSTOS[STATE-NUM] -- The (internal number of the) accessing symbol of state STATE-NUM. */
static const yytype_uint8 yystos[] =
{

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,  208,
209,  210,  210,  211,  211,  211,  211,  211,  211,  211,
211,  212,  212,  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,  0,  1,  0,  7,  0,
6,  4,  4,  0,  6,  1,  2,  0,  4,  1,
/* YYLLOC_DEFAULT -- Set CURRENT to span from RHS[1] to RHS[N].

# define YYLLOC_DEFAULT                        (yylline = 0)
# define YYCURRENT_DEFAULT                      yyfilename
# define YYL_DEFAULT                            
# define YYL_DEFAULT(yyless, yylloc)             
# define YYL_DEFAULT((yyltype, yylval, yylloc))  
# define YYL_DEFAULT((yyltype, yylval, yylloc, 
# yyleng))                                    

/* YYL_DEFAULT -- Case insensitive name of current token. */
# define YYL_DEFAULT                        (yyless - 1)
# define YYL_DEFAULT(yyvell, yylloc)           
# define YYL_DEFAULT((yyltype, yylval, yylloc)) 
# define YYL_DEFAULT((yyltype, yylval, yylloc, 
# yyleng))                                   

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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. */
#endif YYFPRINTF

#ifndef YYFPRINTF
#define YYDPRINTF(Args)                        
do {                                            
if (yydebug)                                  
   YYFPRINTF Args;
} while (0)
#endif YYFPRINTF

/* YYFPRINTF -- 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. */

#define YYLOCATION_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
#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", yytname[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

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

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

Return 0 if *YYMSG was successfully written. Return 1 if *YYMSG is
not large enough to hold the message. In that case, also set
*YYMSG_ALLOC to the required number of bytes. Return 2 if the
required number of bytes is too large to store. */

static int
yysyntax_error (YYSIZE_T *yymsg_alloc, char **yymsg,
    yytype_int16 *yyssp, int yytoken)
{
  YYSIZE_T yysize0 = yytnamerr (YY_NULLPTR, yytname[yytoken]);
  YYSIZE_T yysize = yysize0;
  enum { YYERROR_VERBOSE_ARGS_MAXIMUM = 5 };
  /* Internationalized format string. */
  const char *yyformat = YY_NULLPTR;
  /* Arguments of yyformat. */
  char const *yyarg[YYERROR_VERBOSE_ARGS_MAXIMUM];
  /* Number of reported tokens (one for the "unexpected", one per
   "expected"). */
  int yycount = 0;

  /* There are many possibilities here to consider:
     - If this state is a consistent state with a default action, then
       the only way this function was invoked is if the default action
       is an error action. In that case, don't check for expected
       tokens because there are none.
     - The only way there can be no lookahead present (in yychar) is if
   */
this state is a consistent state with a default action. Thus, detecting the absence of a lookahead is sufficient to determine that there is no unexpected or expected token to report. In that case, just report a simple "syntax error".

- Don't assume there isn't a lookahead just because this state is a consistent state with a default action. There might have been a previous inconsistent state, consistent state with a non-default action, or user semantic action that manipulated yychar.

- Of course, the expected token list depends on states to have correct lookahead information, and it depends on the parser not to perform extra reductions after fetching a lookahead from the scanner and before detecting a syntax error. Thus, state merging (from LALR or IELR) and default reductions corrupt the expected token list. However, the list is correct for canonical LR with one exception: it will still contain any token that will not be accepted due to an error action in a later state.

*/
if (yytoken != YYEMPTY)
{
  int yyn = yypact[*yyssp];
  yyarg[yycount++] = yytname[yytoken];
  if (!yypact_value_is_default (yyn))
  {
    /* Start YYX at -YYN if negative to avoid negative indexes in YYCHECK. In other words, skip the first -YYN actions for this state because they are default actions. */
    int yyxbegin = yyn < 0 ? -yyn : 0;
    /* Stay within bounds of both yycheck and yytname. */
    int yychecklim = YYLAST - yyn + 1;
    int yyxend = yychecklim < YYNTOKENS ? yychecklim : YYNTOKENS;
    int yyx;
    for (yyx = yyxbegin; yyx < yyxend; ++yyx)
      if (yycheck[yyx + yyn] == yyx && yyx != YYTERROR
          && !yytable_value_is_error (yytable[yyx + yyn]))
      {
        if (yycount == YYERROR_VERBOSE_ARGS_MAXIMUM)
        {
          yycount = 1;
          yysize = yysize0;
          break;
        }
        yyarg[yycount++] = yytname[yyx];
        {
          YYSIZE_T yysize1 = yysize + yytnamerr (YY_NULLPTR, yytname[yyx]);
          if (! (yysize <= yysize1
                  && yysize1 <= YYSTACK_ALLOC_MAXIMUM))
            return 2;
          yysize1 = yysize + yysize0;
          break;
        }
      }
      else
      {
        /* State is inconsistent. This implies that the implied lookahead
         is inconsistent or this state is inconsistent. In either case,
         we detect the error by trying to fetch a lookahead. */
        YYERROR = yyn;
        goto yydefault;
      }

      /* Starting this new set of actions is more efficient than
         a yydefault if the parser is in error. */
      yydefault:
      /* YYTABLE is not left at the end of YYTABLE after a
         single error action. */
      yyn = yypact[yyny + yyn];
      yyarg[yycount++] = yytname[yyny];
      if (!yypact_value_is_default (yyn))
      {
        if (yycount == YYERROR_VERBOSE_ARGS_MAXIMUM)
        {
          yycount = 1;
          yysize = yysize0;
          break;
        }
        yyarg[yycount++] = yytname[yyny];
        {
          YYSIZE_T yysize1 = yysize + yytnamerr (YY_NULLPTR, yytname[yyny]);
          if (! (yysize <= yysize1
                  && yysize1 <= YYSTACK_ALLOC_MAXIMUM))
            return 2;
          yysize1 = yysize + yysize0;
          break;
        }
      }
      else
      {
        /* State is inconsistent. This implies that the implied lookahead
           is inconsistent or this state is inconsistent. In either case,
           we detect the error by trying to fetch a lookahead. */
        YYERROR = yyn;
        goto yydefault;
      }
    /* BB begins here. */
    /* It is safe to use yydefault because we already examined it. */
  }
}
void yy_fatal_error (const char *msg, YYSTYPE yyarg)
{
    YYSTYPE yysize1 = yysize + yystrlen (msg);
    if (! (yysize <= yysize1 && yysize1 <= YYSTACK_ALLOC_MAXIMUM))
        return 2;
    yysize = yysize1;
}

if (*yymsg_alloc < yysize)
{
    *yymsg_alloc = 2 * yysize;
    if (! (yysize <= *yymsg_alloc
            && *yymsg_alloc <= YYSTACK_ALLOC_MAXIMUM))
        *yymsg_alloc = YYSTACK_ALLOC_MAXIMUM;
    return 1;
}
/* Avoid sprintf, as that infringes on the user's name space. Don't have undefined behavior even if the translation produced a string with the wrong number of "%s"s. */
{
    char *yyp = *yymsg;
    int yyi = 0;
    while ((*yyp = *yymformat) != '\0')
        if (*yyp == '%' && yymformat[1] == 's' && yyi < yycount)
            { 
            yyp += yytnamerr (yyp, yyarg[yyi++]);  
        yymformat += 2;

```
else
{
    yyp++;  
    yyformat++;  
}
}

return 0;
}
#endif /* YYERROR_VERBOSE */

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

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

    YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
    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:
'yyss': related to states.
'yyvs': related to semantic values.
'yyls': related to locations.

Refer to the stacks through separate pointers, to allow yyoverflow to reallocate them elsewhere. */

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

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

/* The location stack. */
YYLTYPE yyls[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;

yyvsp = yyss = yyssa;
yyvsp = yyvs = yyvsa;
yylsp = yyls = yylsa;
yystacksize = YYINITDEPTH;

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

yystate = 0;
yyerrstatus = 0;
yynerrs = 0;
yychar = YYEMPTY; /* Cause a token to be read. */
yylsp[0] = yylloc;
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. */
yyvalsp++;

yysetstate:
*yyvalsp = yystate;

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

#ifdef yyoverflow

/* Give user a chance to reallocate the stack. Use copies of
these so that the &'s don't force the real ones into
memory. */

YYSTYPE *yyvs1 = yyvs;
yytype_int16 *yyss1 = yyss;
YYLTYPE *yyls1 = yyls;

/* Each stack pointer address is followed by the size of the
data in use in that stack, in bytes. This used to be a
conditional around just the two extra args, but that might
be undefined if yyoverflow is a macro. */

yyoverflow (YY_("memory exhausted"),
    &yyss1, yysize * sizeof (*yyssp),
    &yyvs1, yysize * sizeof (*yyvsp),
    &yyls1, yysize * sizeof (*yylsp),
    &yystacksize);

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

#else /* no yyoverflow */

# ifndef YYSTACK_RELOCATE

goto yyexhaustedlab;

#else

/* Extend the stack our own way. */

if (YYMAXDEPTH <= yystacksize)
    goto yyexhaustedlab;

yystacksize *= 2;

if (YYMAXDEPTH < yystacksize)
    yystacksize = YYMAXDEPTH;

union yyalloc *yyptr =
    (union yyalloc *) Yystack_alloc (YYSTACKBYTES (yystacksize));

if (! yyptr)
    goto yyexhaustedlab;

Yystack_relocate (yyss_alloc, yyss);
Yystack_relocate (yyvs_alloc, yyvs);
Yystack_relocate (yyls_alloc, yyls);

#endif /* YYSTACK_RELOCATE */
if (yyss1 != yyssa)
    YYSTACK_FREE (yyss1);
}
#endif /* no yyoverflow */

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

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

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

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

if (yystate == YYFINAL)
    YYACCEPT;

goto yybackup;

/*--------------.
 | 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;

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

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

/*-----------------------------.
| yyreduce -- Do a reduction. |
'-----------------------------*/

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

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

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

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

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

case 6:
{ (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));
}

case 7:
{ last_rewrite = log_rewrite_subst_new((yyvsp[0].ptr), configuration);
  log_template_unref((yyvsp[0].ptr));
}

case 8:
{ GError *error = NULL;
  CHECK_ERROR_GERROR(log_rewrite_subst_compile_pattern(last_rewrite, (yyvsp[-4].cptr), &error),
    (yylsp[-4]), error, "error compiling search pattern");
  free((yyvsp[-4].cptr));
  (yyval.ptr) = last_rewrite;
}

case 9:
{ last_rewrite = log_rewrite_set_new((yyvsp[0].ptr), configuration);
  log_template_unref((yyvsp[0].ptr));
}

case 10:
case 11:

```c
#include "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)); }  
#include "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */

break;
```

case 12:

```c
#include "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)); }  
#include "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */

break;
```

case 13:

```c
#include "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));
}
#include "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */

break;
```

case 14:

```c
#include "lib/rewrite/rewrite-expr-grammar.y" /* yacc.c:1646 */

{ (yyval.ptr) = last_rewrite; }  
#include "lib/rewrite/rewrite-expr-grammar.c" /* yacc.c:1646 */

break;
```

case 15:

```c
#include "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;
        }
```

```c
```
(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_WITHOUT_MESSAGE(cfg_parser_parse(&filter_expr_parser, lexer, (gpointer *)&filter_expr, NULL), (yylsp[-1]));
    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]));
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), (ystack[0].cptr));

    last_driver = (LogDriver *) plugin_parse_conf(p, configuration, &(yylsp[0]), NULL);
    free((ystack[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); }
case 51:
{ 
    (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc));
}
break;

case 52:
{ 
    (yyval.ptr) = log_expr_node_append_tail(log_expr_node_new_pipe((yyvsp[-2].ptr), &(yylsp[-2])), (yyvsp[0].ptr));
}
break;

case 53:
{ 
    (yyval.ptr) = log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr));
}
break;

case 54:
{ 
    (yyval.ptr) = NULL;
}
break;

case 55:
{ 
    (yyval.ptr) = (yyvsp[0].ptr);
}
break;

case 56:
{ 
    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)); }
case 64:
  { (yyval.ptr) = log_expr_node_new_parser(NULL, (yyvsp[-1].ptr), &(yyloc)); }

case 65:
  { (yyval.ptr) = log_expr_node_new_rewrite_reference((yyvsp[-1].cptr), &(yyloc)); free((yyvsp[-1].cptr)); }  

case 66:
  { (yyval.ptr) = log_expr_node_new_rewrite(NULL, (yyvsp[-1].ptr), &(yyloc)); }  

case 67:
  { (yyval.ptr) = (yyvsp[0].ptr) ? log_expr_node_new_junction((yyvsp[0].ptr), &(yylsp[0])) : NULL; }  

case 70:
  { (yyval.ptr) = log_expr_node_new_junction((yyvsp[-1].ptr), &(yyloc)); }  

case 71:
  { (yyval.ptr) = (yyvsp[0].ptr) ? log_expr_node_new_junction((yyvsp[0].ptr), &(yylsp[0])) : NULL; }
case 72:
    log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[0].ptr)); (yyval.ptr) = (yyvsp[-2].ptr); }
#endif /* yacc.c:1646 */
break;

case 73:
    (yyval.ptr) = NULL; }
#endif /* yacc.c:1646 */
break;

case 74:
    (yyval.ptr) = (yyvsp[-1].ptr); }
#endif /* yacc.c:1646 */
break;

case 75:
    (yyval.ptr) = (yyvsp[-1].ptr); }
#endif /* yacc.c:1646 */
break;

case 76:
    (yyval.ptr) = log_expr_node_new_log(log_expr_node_append_tail((yyvsp[-2].ptr), (yyvsp[-1].ptr)),
(yyvsp[0].num), &(yyloc)); }
#endif /* yacc.c:1646 */
break;

case 77:
    (yyval.num) = (yyvsp[-2].num); }
#endif /* yacc.c:1646 */
break;

case 78:
    (yyval.num) = 0; }
#endif /* yacc.c:1646 */
break;

case 79:
    (yyval.num) = 0; }
#endif /* yacc.c:1646 */
break;

case 79:
    (yyval.num) = 0; }
#endif /* yacc.c:1646 */
break;


{ (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:
case 100:
    last_host_resolve_options = &last_source_options->host_resolve_options;
    break;

case 101:
    last_host_resolve_options->use_fqdn = (yyvsp[-1].num);
    break;

case 103:
    last_host_resolve_options->use_dns = (yyvsp[-1].num);
    break;

case 104:
    last_host_resolve_options->use_dns_cache = (yyvsp[-1].num);
    break;

case 105:
    last_host_resolve_options->normalize_hostnames = (yyvsp[-1].num);
    break;

case 106:
    last_host_resolve_options->normalize_hostnames = (yyvsp[-1].num);
    break;

case 107:
    CHECK_ERROR(log_matcher_options_set_type(last_matcher_options, (yyvsp[-1].cptr)), (yylsp[-1]),
        "unknown matcher type"); free((yyvsp[-1].cptr));
    break;

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];

ystate = yypgoto[yyn - YYNTOKENS] + *yyssp;
if (0 <= yystate & yystate <= YYLAST & yycheck[yystate] == *yyssp)
    yystate = yytable[yystate];
else
    yystate = yydefgoto[yyn - YYNTOKENS];

goto yynewstate;

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

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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 (yyss, 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;
    yydestrucg ("Error: popping",
        yyn, yyn <= YYLAST && yycheck[yyn] == YYTERROR)
    {
        yyn = yytable[yyn];
        if (0 < yyn)
            break;
    }

    YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
    *++yyvsp = yylval;
    YY_IGNORE_MAYBE_UNINITIALIZED_END

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

    /* Shift the error token. */
    YY_SYMBOL_PRINT ("Shifting", yyn, yyn <= YYLAST && yycheck[yyn] == YYTERROR)

    yyn = yyn;
    goto yynewstate;

    /*-------------------------------------.
    | yyacceptlab -- YYACCEPT comes here. |
    */
yyacceptlab:
yyresult = 0;
goto yyreturn;

/*-------------------------------------*/
| yyabortlab -- YYABORT comes here. |
'-------------------------------------*/
yyabortlab:
yyresult = 1;
goto yyreturn;

#endif

yyreturn:
if (yychar != YYEMPTY)
{
/* Make sure we have latest lookahead translation. See comments at
token 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",
  yytoken, &yylval, &yylloc, lexer, result, arg);
  YYPOPSTACK (1);
}
#ifdef yyoverflow
if (yyss != yyssa)
YYSTACK_FREE (yyss);
#endif
#ifdef YYERROR_VERBOSE
if (yymsg != yymsgbuf)
YYSTACK_FREE (yymsg);
#endif
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FAQ:
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The questions and answers below try to summarize the intentions behind this licensing scheme.

Q: Is it possible to create derived works of syslog-ng under the GPL/LGPL licenses?

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

Q: Do I need to sign a Contributory License Agreement in order for my contribution to be accepted?

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

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

A: Yes. It is our understanding that plugins are derived works of the syslog-ng core but not derived works of other plugins. Thus, non-free plugins are possible, provided they do not link to any of the GPL'd plugins explicitly and the only connection between two plugins is via the syslog-ng core.

Q: Who is permitted to create non-free plugins for syslog-ng? Is it just BalaBit (the current copyright holder as of the initial 3.2 release)?

A: No, everyone including BalaBit.
1.174 sysstat 11.1.5
1.174.1 Available under license:

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
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AUTHOR: Michael J. McLennan
Bell Labs Innovations for Lucent Technologies
mmclennan@lucent.com
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1.187 udev 182

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1.190 update-rc.d 0.7

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Version 2, June 1991

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1.191 util-linux 2.26.2
1.191.1 Available under license:

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<th>NR</th>
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<th>END</th>
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<th>NAME</th>
<th>UUID</th>
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<td>1.8M</td>
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</table>

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<td>6</td>
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<td>16127</td>
<td>3584</td>
<td>1.8M</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

size: 4456448, sector size: 512, PT: bsd, offset: 512, id=(null)
---
#1: 7936  4864  0x7
#2: 12544  3584  0x7
size: 8388608, sector size: 512, PT: dos, offset: 446, id=8f8378c0

---
#1: 32 7648 0x83 uuid='8f8378c0-01'
#2: 7680 8704 0xa5 uuid='8f8378c0-02'
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)
Initialize empty image
f1c9645dbc14efdcd7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2d055067c18f2c9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

Create 2st primary partition
1bebf87248e05d6e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8ddf51a88a045db233418dd73fbb bsd.img

---layout-------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>
Device     Boot Start   End Sectors Size Id Type
<removed>1  2048  4095   2048   1M  83 Linux
<removed>2  4096 20479  16384   8M  a5 FreeBSD
-------------------
Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img
---layout--------

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img
---layout--------

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

Command (m for help):
BZh91AY&SY'yC+'[H]yL*UT'{JDCCMhd?TPJ
4b"LLL3Mf0h
4JM&hC&A
4h
P44OP4&FCFz()"{W ">CN
@JEBx=Q
\%UFYP@R "o""U*R
JcbW"XZTK8o%"Z[S|~9\m/cB7D4F"N7r;02&HLP9p]N^g~?lm9Q@+CvT
]0U"h-J][EzKMkZP(0@I6YSTK6jS\[S@SIS$/$US$n]I6 ISH1S ..]@S$I
ISISH1c!SSTA PPPPPU[UW]\ruU@UYVUUUU:mW[ueKjHR
sUE]H:Eu:]jGD;r
#XZ^;{n] ]@?SX(8HXo<@ @>bd:]>6BFJNRVZ^8y
Tb))i*q+j,k,l-D
#!/bin/bash

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#
# This is BSU.

TS_TOPDIR="${0%/*}/../..">
TS_DESC="nested BSD"

. $TS_TOPDIR/functions.sh
ts_init "$*


tstest test_command ""STST_CMD_FDISK"
tstest test_command ""STST_HELPER_SYSINFO"

FDISK_CMD_CREATE_DOSLABEL="o\n"   # create dos label
FDISK_CMD_SETID="x\n0x1\n"             # set non-random ID
FDISK_CMD_WRITE_CLOSE="w\nq\n"     # write to image
FDISK_CMD_CREATE_PRIMARY1="n\np\n1\n+1M\n"   # 1st primary partition of size 1MiB
FDISK_CMD_CREATE_PRIMARY2="n\np\n2\n"   # 2nd primary partition for whole of the disk
FDISK_CMD_CHANGE_PART2TYPE="t\na\n4\n"       # change partition type FreeBSD
FDISK_CMD_BSD_CREATE="b\ny\n"       # create nested BSD PT
FDISK_CMD_BSD_LIST="b\nq\n"       # list nested BSD PT and quit
FDISK_CMD_BSD_CREATE_PART="b\na\n+1M\n"   # add BSD partition 'a', size 1MiB
FDISK_CMD_BSD_PARTTYPE="b\na\n7\n"       # set partition 'a' to type 4.2BSD
FDISK_CMD_BSD_LIST_TYPES="b\nq\n"       # list supported PT types and quit

#set -x
BSD disklabel depends on sector/offset and endianess. We convert the md5sums into the most common values (little endian, BSD_LABELSECTOR = 1, BSDLABELOFFSET = 0) so that they can be easily compared to the expected ones.

BYTE_ORDER=${($TS_HELPER_SYSINFO byte-order)}

function fdisk_bsd_offset_and_byte_order_clean
{
# expected md5sums are from x86 systems
local md5_bsdimg1_LE_0_64="2e1cee529c59e9341afef0443f196a1"
local md5_bsdimg2_LE_0_64="b5c121c2091b2f26b880551feac7112"

if [ $BYTE_ORDER = "BE" ] ; then
# BSD_LABELSECTOR = 0, BSDLABELOFFSET = 64
sed -i \
- e "s/c2273b52976351db75596c47c10b0725/$md5_bsdimg1_LE_0_64/" \
- e "s/9a234a5b99e37d2ce0d92b65437b93cd/$md5_bsdimg2_LE_0_64/" \
"$TS_OUTPUT"

else
# BSD_LABELSECTOR = 0, BSDLABELOFFSET = 64
sed -i \
- e "s/6d760d7a8ef33b27cc6e27f1e8807d48/$md5_bsdimg1_LE_0_64/" \
- e "s/3739c7959adb42693a69ed7a99914e8/$md5_bsdimg2_LE_0_64/" \
"$TS_OUTPUT"
fi
}

function print_layout 
{
echo -ne "\n---layout----------\n" >> $TS_OUTPUT
$TS_CMD_FDISK -l ${TEST_IMAGE_NAME} >> $TS_OUTPUT

echo -ne   "-------------------\n
" >> $TS_OUTPUT
}

function print_bsd_layout 
{
echo -ne "\n---layout----------\n" >> $TS_OUTPUT
$TS_CMD_FDISK ${FDISK_CMD_BSD_LIST} >> $TS_OUTPUT

echo -ne   "-------------------\n
" >> $TS_OUTPUT
}

ts_log "Initialize empty image"
TEST_IMAGE_NAME=$(ts_image_init 10)

ts_image_md5sum >> $TS_OUTPUT 2>&1
ts_log "Create new DOS partition table"
echo -e "${FDISK_CMD_CREATE_DOSLABEL}\${FDISK_CMD_SETID}\${FDISK_CMD_WRITE_CLOSE}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create 1st primary partition"
 echo -e "${FDISK_CMD_CREATE_PRIMARY1}\${FDISK_CMD_WRITE_CLOSE}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create 2st primary partition"
 echo -e "${FDISK_CMD_CREATE_PRIMARY2}\${FDISK_CMD_WRITE_CLOSE}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Set 2nd partition type"
 echo -e "${FDISK_CMD_CHANGE_PART2TYPE}\${FDISK_CMD_WRITE_CLOSE}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create default BSD"
 echo -e "${FDISK_CMD_BSD_CREATE}\${FDISK_CMD_WRITE_CLOSE}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_bsd_layout

echo -e "${FDISK_CMD_BSD_CREATE_PART}\${FDISK_CMD_WRITE_CLOSE}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_bsd_layout

echo -e "${FDISK_CMD_BSD_PARTTYPE}\${FDISK_CMD_WRITE_CLOSE}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_bsd_layout

echo -e "${FDISK_CMD_BSD_LISTTYPES}"
| $TS_CMD_FDISK $TEST_IMAGE_NAME | 
    sed 's/Reading.*//g; s/Welcome to fdisk.*//'
    ts_image_md5sum >> $TS_OUTPUT 2>&1

fdisk_bsd_offset_and_byte_order_clean
ts_fdisk_clean $(TEST_IMAGE_NAME)

ts_finalize

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(XPM - X PixMap format version 2 & 3)
Internet: lehors@sophia.inria.fr
Surface Mail: Arnaud LE HORS, INRIA - Sophia Antipolis,
2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
if version < 600
    " Remove any old syntax stuff hanging around
    syn clear
else if exists("b:current_syntax")
    finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psoObject bundle category control_file depot distribution
syn keyword psoObject end file fileset host installed_software media
syn keyword psoObject product root subproduct vendor

syn match  psfUnquotString +[^"#][^#]*/+ contained
syn region psoQuotString   start=+"" skip=+\"" end=+""+ contained

syn match  psfObjTag   "\[-_+A-Z0-9a-z]+\[-_+A-Z0-9a-z]+*/+" contained
syn match  psfAttAbbrev   "\(Fa|fr|aclqrv\)\(<=\|>=\|==\)\[^,]*" contained
syn match  psfObjTags    "\[-_+A-Z0-9a-z]+\[-_+A-Z0-9a-z]+*/+\[^,]*\[-_+A-Z0-9a-z]+*/+" contained

syn match  psfNumber     "\d+" contained
syn match  psfFloat      "\d+\d+\" contained

syn match  psfLongDate   "\d{1,4}\d{1,2}\d{1,4}\d{1,2}\" contained

syn keyword psfState     available configured corrupt installed transient contained
syn keyword psfPState    applied committed superseded contained

" Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region  psfAttUnquotString matchgroup=psfAttrib start=--[^s*[^#]+[^s*[^#]]--rs=e-1
contains=psfUnquotString,psfComment end=--S-- keepend oneline
These regions are defined in attempt to do syntax checking for some
of the attributes.

The default highlighting.
For version 5.7 and earlier: only when not done already
For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
if version < 508
let did_psf_syntax_inits = 1
command -nargs=+ HiLink hi link <args>
else
  command -nargs=+ HiLink hi def link <args>
endif

HiLink psfObject       Statement
HiLink psfAttrib       Type
HiLink psfQuotString   String
HiLink psfObjTag       Identifier
HiLink psfAttAbbrev    PreProc
HiLink psfObjTags      Identifier

HiLink psfComment      Comment

delcommand HiLink
endif

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"
*uganda.txt*    For Vim version 7.4. Last change: 2013 Jul 06

VIM REFERENCE MANUAL    by Bram Moolenaar

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http://www.vim.org/iccf/
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Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a
production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt. For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children’s Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

If you make a donation to Kibaale Children’s Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of “Stichting ICCF Holland” in Lisse. This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

The e-mail address for sending the money to is:
 Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is
preferred.

Others: Transfer to one of these accounts if possible:

- Postbank, account 4548774
- Swift code: INGB NL 2A
- IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

- Rabobank Lisse, account 3765.05.117
- Swift code: RABO NL 2U
- under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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

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

1.193 which 2.21 :r3.0

1.193.1 Available under license:

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Version 3, 29 June 2007

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to attach them to the start of each source file to most effectively
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<one line to give the program's name and a brief idea of what it does.>
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```
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```

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1.194 wireless-tools 30~pre9 :Tue, 23 Feb 2010 Tim Gardner

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The current Debian maintainer is Guus Sliepen <guus@debian.org>.

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1.195 xfsprogs 3.2.3

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
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directing the user to the copy of this License. Also, you must do one
of these things:

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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

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1.196 xinetd 2.3.15
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So, if you want, you may use any 2.N.* (N >= 3) version string for future xinetd versions that you release. Note that I am excluding the 2.2.* line; using that would only create confusion. Naming the next release 2.3.0 would put to rest the confusion about 2.2.1 and 2.1.8.*.

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#
# install - install a program, script, or datafile
# This comes from X11R5 (mit/util/scripts/install.sh).
#
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#
# Calling this script install-sh is preferred over install.sh, to prevent
# `make' implicit rules from creating a file called install from it
# when there is no Makefile.
#
# This script is compatible with the BSD install script, but was written
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*/

1.197 xmlsec1 1.2.20
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xmlsec, xmlsec-openssl, xmlsec-gnutls, xmlsec-gcrypt libraries

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

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References

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* AOL
http://www.aleksey.com/pipermail/xmlsec/attachments/20030729/0e25648e/attachment.htm

* Cordys R&D BV

* Cryptocom LTD

1.198 xz/xz-cli-tools 5.2.1 :1.0
1.198.1 Available under license:

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

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/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.8, April 28th, 2013

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

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

*/

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