



# Open Source Used In HyperFlexDataPlatform 4\_0\_2a

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- 8.447 util-hashing\_2.10 6.14.0**
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## **1.1 cJSON**

# **<https://github.com/DaveGamble/cJSON>**

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# 1.2 libpam4j 1.10

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```
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 */
package org.jvnet.libpam;

import org.junit.*;
import junit.framework.Assert;

public class UnixUserTest {
    private UnixUser user = null;

    @Before
    public void setUp() throws PAMException {
        user = new UnixUser("root");
    }

    @Test
    public void testGetUserName() {
        Assert.assertEquals("root", user.getUserName());
    }

    @Test
    public void testGetDir() {
        Assert.assertNotNull(user.getDir());
    }
}
```

```
}

@Test
public void testGetUID() {
    Assert.assertEquals(0, user.getUID());
}
}
Copyright (c) 2011- Kohsuke Kawaguchi and other contributors
```

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## 2.1 cJSON

<https://github.com/DaveGamble/cJSON>

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## 2.2 csi 3.5.1

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Maven packaging:

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- \* Small patch to fix Python CallMethod().

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- \* Small optimizations to Python serialization.

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- \* VI syntax highlighting tweaks.
- \* Fix compiler to not make output executable.

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- \* Heuristic detection of sub-messages when printing unknown fields in text format.

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- \* Added @Override annotation to generated Java code where appropriate.

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- \* Tru64 support.

Monty Taylor <monty.taylor@gmail.com>

- \* Solaris 10 + Sun Studio fixes.

Alek Storm <alek.storm@gmail.com>

- \* Slicing support for repeated scalar fields for the Python API.

Oleg Smolsky <oleg.smolsky@gmail.com>

- \* MS Visual Studio error format option.
- \* Detect unordered\_map in stl\_hash.m4.

Brian Olson <brianolson@google.com>

- \* gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>

- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- \* Added generation of field number constants.

Wink Saville <wink@google.com>

- \* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>

- \* Small patch improving performance of in Python serialization.

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- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>

- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>

- \* HPUX support.



Oliver Jowett <oliver.jowett@gmail.com>

- \* Detect whether zlib is new enough in configure script.
- \* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

- \* Optimize Java serialization code when writing a small message to a stream.
- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- \* Clean up some Java warnings.
- \* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>

- \* Added CodedInputStream.getTotalBytesRead().

Kacper Kowalik <xarthisius.kk@gmail.com>

- \* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>

- \* Fixed detection of sched\_yield on Solaris.
- \* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

- \* Fixed minor IBM xLC compiler build issues
- \* Added atomicops for AIX (POWER)

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## 2.3 etcd 3.3.12

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Protocol Buffers for Go with Gadgets

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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## 2.7 go-csi 0.5.0

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## 2.8 go-net 0.1

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**a**

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## 2.9 go-sync 0.1.0

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## 2.10 go-sys 0.1

**:9bb9f0998d48b31547d975974935ae9b48c7a0**

### 3c

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## 2.11 golang.org/x/text

**b19bf474d317b857955b12035d2c5acb57ce8b**

**01**

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# 2.12 google.golang.org/genproto master

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## 2.13 grpc 1.9.0-pre1

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## 5.1 Ansible 2.2.1.0

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- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd

- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd

- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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\*/

```
package org.apache.tomcat.jni;
```

```
import org.junit.After;  
import org.junit.Assume;  
import org.junit.Before;
```

```
public abstract class AbstractJniTest {
```

```
    private boolean nativeLibraryPresent = false;
```

```
    @Before
```

```
    public void initBase() throws Exception {
```

```
        try {
```

```
            Library.initialize(null);
```

```
            nativeLibraryPresent = true;
```

```
        } catch (LibraryNotFoundError Infe) {
```

```
            nativeLibraryPresent = false;
```

```
        }
```

```
        Assume.assumeTrue("APR Library not found", nativeLibraryPresent);
```

```
    }
```

```
    @After
```

```
    public void destroyBase() {
```

```
        if (nativeLibraryPresent) {
```

```
            Library.terminate();
```

```
        }
```

```
    }
```

```
}
```

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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
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#### THE BASIC LIBRARY FUNCTIONS

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

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

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

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#### Mersenne Twister

-----

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

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

Before using, initialize the state by using `init_genrand(seed)`  
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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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

Sockets

-----

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

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Floating point exception control

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

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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

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

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

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

- 2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
- 1999-11-04 lpd Edited comments slightly for automatic TOC extraction.



1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);  
added conditionalization for C++ compilation from Martin  
Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

#### Asynchronous socket services

-----

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Execution tracing

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UUencode and UUdecode functions

-----

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Modified by Jack Jansen, CWI, July 1995:

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

#### XML Remote Procedure Calls

-----

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Select kqueue

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strtod and dtoa

-----

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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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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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# 5.9 pyvmomi 6.5.0.2017.5 :1

## 5.9.1 Available under license :

.. \_int: <https://docs.python.org/2/library/stdtypes.html>

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_bool: <https://docs.python.org/2/library/stdtypes.html>

.. \_vmodl.DynamicData: ../../vmodl/DynamicData.rst

.. \_vim.ManagedEntity: ../../vim/ManagedEntity.rst

vim.AuthorizationManager.Permission

=====

This data object type provides assignment of some role access to a principal on a specific entity. A ManagedEntity is limited to one permission per principal.

:extends: vmodl.DynamicData\_

Attributes:

entity (``vim.ManagedEntity`_`, optional):

Managed entity the permission is defined on. Left unset when calling `setPermissions` or `resetPermissions`, but present for the results of permission queries.

principal (``str`_`):

User or group receiving access in the form of "login" for local or "DOMAIN\login" for users in a Windows domain.

group (``bool`_`):

Whether principal refers to a user or a group. True for a group and false for a user.

roleId (``int`_`):

Reference to the role providing the access.

propagate (``bool`_`):

Whether or not this permission propagates down the hierarchy to sub-entities.

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_vim.fault.VimFault: ../../vim/fault/VimFault.rst

vim.fault.InvalidLicense

=====

:extends:

``vim.fault.VimFault`_`

Thrown when an attempt is made to upload license content that is invalid.

Attributes:

`licenseContent`(`str`_)`  
.. _int`: https://docs.python.org/2/library/stdtypes.html  
.. _vmodl.fault.NotEnoughLicenses`: ../../vmodl/fault/NotEnoughLicenses.rst`

`vim.fault.VramLimitLicense`

=====

`:extends`:`

``vmodl.fault.NotEnoughLicenses`_``

A `VramLimitLicense` fault is thrown if executing an operation would result in exceeding maximum allowed vRAM amount. For example, this could happen when powering on a VM, hot-plugging memory into a running VMm, etc.

Attributes:

`limit`(`int`_)`  
.. _int`: https://docs.python.org/2/library/stdtypes.html  
.. _vmodl.fault.NotEnoughLicenses`: ../../vmodl/fault/NotEnoughLicenses.rst`

`vim.fault.VmLimitLicense`

=====

`:extends`:`

``vmodl.fault.NotEnoughLicenses`_``

A `VmLimitLicense` fault is thrown if powering on the virtual machine would exceed the maximum number of running virtual machines allowed.

Attributes:

`limit`(`int`_)`  
.. _int`: https://docs.python.org/2/library/stdtypes.html  
.. _str`: https://docs.python.org/2/library/stdtypes.html  
.. _datetime`: https://docs.python.org/2/library/stdtypes.html`

.. \_vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst

vim.fault.ExpiredFeatureLicense

=====

:extends:

  `vmodl.fault.NotEnoughLicenses`\_

An ExpiredFeatureLicense fault is thrown if an attempt to acquire an Addon license 'feature failed for count 'count'.

Attributes:

  feature (`str`\_)

  count (`int`\_)

  expirationDate (`datetime`\_)

.. \_vim.fault.ExpiredFeatureLicense: ../../vim/fault/ExpiredFeatureLicense.rst

vim.fault.ExpiredAddonLicense

=====

:extends:

  `vim.fault.ExpiredFeatureLicense`\_

An ExpiredAddonLicense fault is thrown if an attempt to acquire an Addon license 'feature failed for count 'count'.

Attributes:

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst

vim.fault.InvalidEditionLicense

=====

:extends:

  `vmodl.fault.NotEnoughLicenses`\_

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

  feature (`str`\_)

.. \_vim.fault.ExpiredFeatureLicense: ../../vim/fault/ExpiredFeatureLicense.rst

vim.fault.ExpiredEditionLicense

=====

:extends:

  `vim.fault.ExpiredFeatureLicense`\_

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_vim.LicenseManager.LicenseSource: ../../vim/LicenseManager/LicenseSource.rst

vim.LicenseManager.LocalLicense

=====

Specify license key data to store locally.

:extends: vim.LicenseManager.LicenseSource\_

Attributes:

  licenseKeys (`str`\_):

  The size of this string is implementation dependent. It must contain ASCII or ISO Latin-1 characters only.

.. \_long: <https://docs.python.org/2/library/stdtypes.html>

.. \_VI API 2.5: ../../vim/version.rst#vimversionversion2

.. \_vim.LicenseManager.LicenseSource: ../../vim/LicenseManager/LicenseSource.rst

vim.LicenseManager.EvaluationLicense

=====

Specify an evaluation license source. Feature licensing is not required while the remaining hours is greater than zero.

:extends: vim.LicenseManager.LicenseSource\_

:since: `VI API 2.5`\_

Attributes:

  remainingHours (`long`\_, optional):

  The number of remaining hours before product evaluation expires

.. \_vmodl.RuntimeFault: ../../vmodl/RuntimeFault.rst

vmodl.fault.NotEnoughLicenses

=====

:extends:

`vmodl.RuntimeFault`\_

A NotEnoughLicensesFault occurs when an operation fails because there are not enough licenses installed.

Attributes:

pyVmomi

=====

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2009-10-04, guwi17: modified and extended to meet uBLAS' needs

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curl-7.50.1.tar.gz\curl-7.50.1.tar\curl-7.50.1\lib\rawstr.c

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This differs from Colin Plumb's older public domain implementation in that no exactly 32-bit integer data type is required (any 32-bit or wider unsigned integer data type will do), there's no compile-time endianness configuration, and the function prototypes match OpenSSL's. No code from Colin Plumb's implementation has been reused; this comment merely compares the properties of the two independent implementations.

The primary goals of this implementation are portability and ease of use. It is meant to be fast, but not as fast as possible. Some known optimizations are not included to reduce source code size and avoid compile-time configuration.

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curl-7.50.1.tar.gz\curl-7.50.1\tar\curl-7.50.1\tests\http\_pipe.py

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Modified by Linus Nielsen Feltzing for inclusion in the libcurl test framework

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match.S -- optimized version of longest\_match()

based on the similar work by Gilles Vollant, and Brian Raiter, written 1998

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zpipe.c: example of proper use of zlib's inflate() and deflate()

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[OVFTOOL420GASR062917]

# 6.1 acl 2.2.52-3

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## 6.3 autogen 5.18.7-3

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<meta name="description" content="Berkeley DB: An embedded database programmatic toolkit.">
```

```
<meta name="keywords"
```

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content="embedded,database,programmatic,toolkit,btree,hash,hashing,transaction,transactions,locking,logging,access method,access methods,Java,C,C++">
```

```
</head>
```

```
<body bgcolor=white>
```

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Font	License	Distinguishing feature
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## 6.9 coreutils 8.25-2ubuntu3~16.04

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

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

```
This program is free software: you can redistribute it and/or modify  
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```

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

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

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

The hypothetical commands `show w' and `show c' should show the appropriate  
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## 6.10 cpio 2.11+dfsg-5ubuntu1

### 6.10.1 Available under license :

This is the Debian GNU/Linux prepackaged version of GNU cpio  
(including mt).

This package was put together by Clint Adams [schizo@debian.org](mailto:schizo@debian.org),  
from sources obtained from <ftp://ftp.gnu.org/gnu/cpio>

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The text of the GPL can be found on Debian systems in `/usr/share/common-licenses/GPL-3`.

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Version 3, 29 June 2007

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```

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## 6.11 cracklib 2.9.2-1build2

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2008-2014 Jan Dittberner <jan@dittberner.info>

License: LGPL-2.1

Comment:

Starting from version 2.8.15 released on 2009-11-19 cracklib is licensed under the terms of the LGPL 2.1. For a detailed discussion and history see README-LICENSE.

Files: debian/\*

Copyright: 1998 Jean Pierre LeJacq  
Martin Pitt <martin@piware.de>  
Jan Dittberner <jandd@debian.org>

License: LGPL-2.1

License: LGPL-2.1

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A copy of the GNU Lesser General Public License 2.1 is available as /usr/share/common-licenses/LGPL-2.1 in the Debian GNU/Linux

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

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

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

[Cracklib-devel] cracklib license

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

Attachments: Message as HTML

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

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

Re: [Cracklib-devel] cracklib license

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

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

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

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

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

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

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

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

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

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20  
library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=20  
=20mike

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  
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>> it was enough to just get it consistent and documented as to what  
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>=20  
> unlike the old license, GPL-2 prevents people from using cracklib  
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> applications are also GPL-2 which imo is just wrong. it isnt 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,  
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> 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

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

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

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

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

-----  
From alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000



Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from [82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length: 585  
Lines: 21

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

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

Happy now? :-)

## GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

### Preamble

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

This license, the 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.

^L

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

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

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

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

compilation  
and installation of the library.

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

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

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

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

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

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

be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

^L

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.

^L

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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## 6.17 dbus 1.10.6-1ubuntu3.3

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## 6.20 exhibitor 1.5.2

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```
// Dependency for plugin was set in buildscript.gradle

subprojects {
apply plugin: 'license' //nl.javadude.gradle.plugins.license.LicensePlugin
license {
    header rootProject.file('codequality/HEADER')
    ext.year = Calendar.getInstance().get(Calendar.YEAR)
    skipExistingHeaders true
}
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`contrib/analyzers/common/src/java/net/sf/snowball`  
were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/snowball`  
were developed by Martin Porter and Richard Boulton.

The full snowball package is available from  
<http://snowball.tartarus.org/>

The KStem stemmer in  
`common/src/org/apache/lucene/analysis/en`  
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
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The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (contrib/analyzers) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:  
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contrib/analyzers/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,  
contrib/analyzers/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,  
contrib/analyzers/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
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contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
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contrib/analyzers/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (contrib/analyzers) includes BSD-licensed software developed by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

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## 6.21 expat 2.1.0-7ubuntu0.16.04.3

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Description: Don't warn for \_BSD\_SOURCE || \_SVID\_SOURCE, drop post-vivid

Author: Adam Conrad <adconrad@ubuntu.com>

```
--- glibc-2.21.orig/include/features.h
```

```
+++ glibc-2.21/include/features.h
```

```
@@ -145,7 +145,10 @@
```

```
    transitioned to use the new macro. */
```

```
#if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
```

```
    && !defined _DEFAULT_SOURCE
```

```
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
```

```
+ and we don't have time to check/fix everything before vivid release
```

```
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
```

```
+*/
```

```
# undef _DEFAULT_SOURCE
# define _DEFAULT_SOURCE 1
#endif
```

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

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

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

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

6. As an exception to the Sections above, you may also combine or

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## 6.28 gnupg 1.4.20-1ubuntu3.1

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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## 6.29 gnutls 3.4.10-4ubuntu1.4

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It was later taken over by Matthias Urlichs <smurf@debian.org> and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from <ftp://ftp.gnutls.org/gcrypt/gnutls/>

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DTLS/TLS heartbeat implementation.

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Elliptic curve support improvements (wmNAF implementation and others).

Martin Storjo \*martin [at] martin.st\*

DTLS-SRTP support.

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=====

lib/accelerated/x86/elf/aes-ssse3-x86.s  
lib/accelerated/x86/macosx/aes-ssse3-x86.s

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=====  
lib/vasprintf.c

Upstream Authors: David Woodhouse <dwmw2@infradead.org>

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Comment: This code is not used on Debian/\*, since we have a working  
vasprintf() in glibc.

lib/extras/hex.\*

Author: Rusty Russell <rusty@rustcorp.com.au>

Comment: <http://ccodearchive.net/info/str/hex.html>

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#####

## Constant-time SSSE3 AES core implementation.

## version 0.1

##

## By Mike Hamburg (Stanford University), 2009

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From 2252bec27ecd3d0353d1868af5a5f325450cc1d2 Mon Sep 17 00:00:00 2001

From: dann frazier <dann.frazier@canonical.com>

Date: Thu, 21 May 2015 10:28:48 -0600

Subject: arm64/setjmp: Add missing license macro

Including the setjmp module in an arm64-efi image will cause it to immediately exit with an "incompatible license" error.

The source file includes a GPLv3+ boilerplate, so fix this by declaring a GPLv3+ license using the GRUB\_MOD\_LICENSE macro.

Signed-off-by: dann frazier <dann.frazier@canonical.com>

Bug-Ubuntu: <https://bugs.launchpad.net/bugs/1459871>

Origin: upstream,

<http://git.savannah.gnu.org/cgit/grub.git/commit/?id=3ac342205dc81293bb8e2d91b8c5ebe124b4ad35>

Patch-Name: arm64-setjmp-Add-missing-license-macro.patch

---

grub-core/lib/arm64/setjmp.S | 2 ++

1 file changed, 2 insertions(+)

diff --git a/grub-core/lib/arm64/setjmp.S b/grub-core/lib/arm64/setjmp.S

index adaafe4..eabfd99 100644

--- a/grub-core/lib/arm64/setjmp.S

+++ b/grub-core/lib/arm64/setjmp.S

@@ -17,8 +17,10 @@

\*/

#include <grub/symbol.h>

+#include <grub/dl.h>

```
.file "setjmp.S"  
+GRUB_MOD_LICENSE "GPLv3+"  
.text  
  
/*
```

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Version 3, 29 June 2007

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There are many others who have contributed patches; we thank them, GTK+ is much better because of them.

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Raymond Penners  
Dom Lachowicz

Pixbuf theme engine

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Owen Taylor

IME input method

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Takuro Ashie  
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Mac OS X backend

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

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

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

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## 6.35 harfbuzz 1.0.1-1ubuntu0.1

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The current Debian maintainers are Maximilian Attems <maks@debian.org> and Michael Prokop <mika@debian.org>.

The current Ubuntu release can be found at:  
<http://archive.ubuntu.com/ubuntu/pool/main/i/initramfs-tools/>

The Debian tree is maintained with "git" at:  
<https://anonscm.debian.org/git/kernel/initramfs-tools.git>  
<https://anonscm.debian.org/cgit/kernel/initramfs-tools.git>

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It has been maintained for Debian by Noah Meyerhans <noahm@debian.org> since 6 Feb 2001.

It was downloaded from <ftp://ftp.inr.ac.ru/ip-routing/>

Upstream Author: Alexey Kuznetsov <kuznet@ms2.inr.ac.ru>

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SourceFile Eula.java com/sun/javafx/runtime/eula/Eulajava/lang/Object

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

The threshold for this to be true is not precisely defined by law.

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

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

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`888' `8' `888 `Y88. `8888 d8'
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`YbodP' o888o o888o o88888o

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## 6.40.1 Available under license :

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SourceFile Eula.java com/sun/javafx/runtime/eula/Eulajava/lang/Object

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\* Xlib Extension-Writing Utilities

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Signature(I)V<clinit>()V6Ljava/lang/Enum<LSun/net/ftp/FtpDirEntry\$Permission;>;

SourceFileFtpDirEntry.java678"sun/net/ftp/FtpDirEntry\$Permission9 :

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!java/lang/Enumclone(Ljava/lang/Object;sun/net/ftp/FtpDirEntry5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/
Enum;(Ljava/lang/String;)V@1@@@ "
/ "
*/!,*+*456"#$$%`DY
Y Y
Y
SYSYS
1*"&'(
,@
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equals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
SourceFilePermission.javajava/security/acl/Permissionjava/lang/Object
4Y
4 5
67
89
:
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4>
?
@
ABCD
EFGHIserialVersionUIDJ
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCodeLineNumberTable
checkGuard(Ljava/lang/Object;)V
StackMapTableJ
ExceptionsKimplies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()IgetName()Ljava/lang/Stri
ng;
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SourceFilePermission.javaMNO PJQR-,LS*java/lang/StringBuilder("TUVWX+,
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```

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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## 6.42 json-c 0.11-4ubuntu2

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Upstream-Name: json-c

Upstream-Contact: <michael@metaparadigm.com>

Source: <https://github.com/json-c/json-c/wiki>

Files: \*

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## 6.43 kmod 22-1ubuntu5

### 6.43.1 Available under license :

This is the Debian GNU/Linux prepackaged version of kmod.

It has been packaged by Marco d'Itri <md@linux.it>.

Original sources were obtained from:

<http://www.kernel.org/pub/linux/utils/kernel/kmod/>

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## 6.46 libasyncns 0.8-5build1

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Upstream-Contact: Andrew G. Morgan <morgan@kernel.org>

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## 6.48 libesmtp 1.0.6-4

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This package was debianized by Jeremy T. Bouse <jbouse@debian.org> on Sat, 19 May 2001 02:23:28 -0700.

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include/share/safe\_str.h  
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src/libFLAC++/\*  
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 include/share/replaygain\_analysis.h  
 include/share/replaygain\_synthesis.h  
 src/plugin\_common/all.h  
 src/plugin\_common/defs.h  
 src/plugin\_common/dither.h  
 src/plugin\_common/tags.c  
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\*

\* 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

\* will fill a supplied 16-byte array with the digest.

\*

\* Changed so as no longer to depend on Colin Plumb's `usual.h'

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\* - Ian Jackson <ijackson@nyx.cs.du.edu>.

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<!-- Copyright (c) 2004-2009 Josh Coalson -->
```

```
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```

```
<!-- Permission is granted to copy, distribute and/or modify this document -->
```

```
<!-- under the terms of the GNU Free Documentation License, Version 1.1 -->
```

```
<!-- or any later version published by the Free Software Foundation; -->
```

```
<!-- with no invariant sections. -->
```

```
<!-- A copy of the license can be found at http://www.gnu.org/copyleft/fdl.html -->
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
```

```
<meta name="author" content="Josh Coalson" />
```



```

<meta name="description" content="A free, open source codec for lossless audio compression and decompression"
/>
<meta name="keywords"
content="free,lossless,audio,codec,encoder,decoder,compression,compressor,archival,archive,archiving,backup,mus
ic" />
<link rel="shortcut icon" type="image/x-icon" href="favicon.ico" />
<link rel="stylesheet" type="text/css" href="flac.css" />
<title>FLAC - license</title>
</head>

<body>

<div class="logo">
<a href="index.html"></a>
</div>

<div class="above_nav"></div>

<div class="navbar">
&nbsp;<a href="index.html">home</a>&nbsp;&nbsp;&nbsp;|
&nbsp;<a href="faq.html">faq</a>&nbsp;&nbsp;&nbsp;|
&nbsp;<a href="documentation.html">documentation</a>&nbsp;&nbsp;&nbsp;|
&nbsp;<a href="developers.html">developers</a>&nbsp;&nbsp;&nbsp;|
&nbsp;<a href="changelog.html">changelog</a>&nbsp;&nbsp;&nbsp;|
&nbsp;<a href="http://xiph.org/flac">more</a>
</div>

<div class="below_nav"></div>

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<div class="box_title">
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</div>
<div class="box_header"></div>
<div class="box_body">
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```

<br />

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</div>

<div class="box\_footer"></div>

</div>

<div class="copyright">

<!-- @@@ oh so hacky -->

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<tr>

<td align="left">

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<br/>

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</td>

<td width="1%" align="right">

<a href="http://validator.w3.org/check?uri=referer"></a>

</td>

</tr>

</table>

</div>

</body>

</html>

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## 6.51 libicu 55 :1-7ubuntu0.2

### 6.51.1 Available under license :

This package was debianized by Jay Berkenbilt <qjb@debian.org> on August 5, 2005.

The packaging was taken over by Laszlo Boszormenyi (GCS) <gcs@debian.org> on Tue, 17 Mar 2015.

The original source was downloaded from  
[http://icu-project.org/download/latest\\_milestone.html](http://icu-project.org/download/latest_milestone.html)

The main web site for ICU is  
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## \*-makefile-\*

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

## Copyright (c) 1999-2013, International Business Machines Corporation and

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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
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \

```

```
| sed \"s/(\$*)\\.o[ :]*^1.o $@ :/g\" > $@; \  
[ -s $@ ] || rm -f $@'
```

```
## Versioned libraries rules
```

```
%. $(SO). $(SO_TARGET_VERSION_MAJOR): %. $(SO). $(SO_TARGET_VERSION) \  
$(RM) $@ && ln -s ${<F} $@ \  
%. $(SO): %. $(SO). $(SO_TARGET_VERSION_MAJOR) \  
$(RM) $@ && ln -s ${*F}. $(SO). $(SO_TARGET_VERSION) $@
```

```
## Bind internal references
```

```
# LDflags that pkgdata will use \  
BIR_LDFLAGS= -Wl,-Bsymbolic
```

```
# Dependencies [i.e. map files] for the final library \  
BIR_DEPS=
```

```
## Remove shared library 's' \  
STATIC_PREFIX_WHEN_USED = \  
STATIC_PREFIX =
```

```
## End BSD-specific setup \  
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" \  
"http://www.w3.org/TR/html4/loose.dtd"> \  
<html> \  
<head> \  
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> \  
<title>ICU License - ICU 1.8.1 and later</title> \  
</head> \  
 \  
<body BGCOLOR="#ffffff"> \  
<h2>ICU License - ICU 1.8.1 and later</h2> \  
 \  
<p>COPYRIGHT AND PERMISSION NOTICE</p>
```

```
<p> \  
Copyright (c) 1995-2015 International Business Machines Corporation and others \  
</p>
```

```
<p> \  
All rights reserved. \  
</p>
```

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<h3>2. Chinese/Japanese Word Break Dictionary Data (cjdict.txt)</h3>

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

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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Version 3, 29 June 2007

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It was downloaded from: <http://www.mega-nerd.com/libsndfile/>

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## 6.62 libxt 1.1.5-0ubuntu1

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## 6.63 libxtst6 amd64:2:1.2.2-1+b1

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## 6.64 llvm 5.0.0

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```
; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
;
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.
```

```
declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)
```

```
define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
; CHECK-LABEL: TestSelect:
; CHECK    movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # BB#1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}
```

```
define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
; CHECK-LABEL: TestFabs:
; CHECK    andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}
```

```
define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
; CHECK-LABEL: TestCopysign:
; CHECK    andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}
```

```
define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}
```



```

; CHECK-LABEL: TestFneg:
; CHECK    movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret

```

```

%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.

```

```

define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
%L34 = load i8, i8* %0
%Cmp56 = icmp sgt i8 undef, %L34
br label %CF246

```

```

CF246:                                ; preds = %CF246, %BB
%S1163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248

```

```

CF248:                                ; preds = %CF248, %CF246
store i8 %S1163, i8* %0
br label %CF248
}

```

```

; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

```

```

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

```

```

target triple = "hexagon"

```

```

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

```

```

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
br i1 undef, label %while.end, label %while.body.lr.ph

```

```

while.body.lr.ph:                    ; preds = %entry
br label %while.body

```

```

while.body:                            ; preds = %exit.2, %while.body.lr.ph
%lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [
i32 1, label %sw.bb.i
i32 2, label %sw.bb3.i

```

```

]

sw.bb.i:                                ; preds = %while.body
unreachable

sw.bb3.i:                                ; preds = %while.body
unreachable

exit:                                    ; preds = %while.body
switch i32 undef, label %exit.2 [
  i32 1, label %sw.bb.i17
  i32 2, label %sw.bb3.i20
]

sw.bb.i17:                               ; preds = %exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20:                              ; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2:                                  ; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end:                               ; preds = %entry
ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
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```

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```

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<signature of Ty Coon>, 1 April 1989  
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SOFTWARE."""

abcdefghijklmnopqrstuvwxy  
ABCDEFGHIJKLMNopqrstuvwxyz

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/\* Legal characters in GLSL are:

\*

\* Identifier characters:

\*

\* Letters a-z

\* Letters A-Z

\* Underscore

\* Numbers 0-9

\*

\* Punctuation:

\*

\* Period, plus, dash, slash, asterisk, percent, angled brackets,

- \* square brackets, parentheses, braces, caret, vertical bar,
- \* ampersand, tilde, equals, exclamation point, colon, semicolon,
- \* comma, and question mark
- \*
- \* Special:
- \*
- \* Number sign (as used in preprocessor)
- \*
- \* Backslash just before newline as line continuation
- \*
- \* White space:
- \*
- \* Space, horizontal tab, vertical tab, form feed, carriage-return,
- \* and line-feed.
- \*
- \* [GLSL Language Specification 4.30.6, section 3.1]
- \*
- \* In this file, we test each of these in turn as follows:
- \*
- \* Identifier characters: All pass through unchanged
- \* Punctuation: All pass through unchanged
- \* Special: Empty directive replaced with blank line
- \*       Line continuation merges two lines, then a blank line
- \* Whitespace: 4 horizontal space characters each replaced with space
- \*       2 newline characters each replaced with a newline
- \*
- \*/
- abcdefghijklmnopqrstuvwxyz
- ABCDEFGHIJKLMNOPQRSTUVWXYZ
- 
- 0123456789
- .
- +
- 
- /
- \*
- %
- <
- >
- [
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- (
- )
- {
- }
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- &

```

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<!DOCTYPE HTML PUBLIC "-//W3C/DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
<head>
<meta http-equiv="content-type" content="text/html; charset=utf-8">
<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>

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</div>

<iframe src="contents.html"></iframe>
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</div>

</body>

</html>

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```

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```

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-----  
Local-Date: Fri, 06 Jun 2003 13:18:52 -0400

Date: Fri, 6 Jun 2003 10:18:52 -0700  
From: Juan Gomez <juang@us.ibm.com>  
To: Stephen Frost <sfrost@debian.org>  
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999  
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

"There is no restriction on modifications and derived works" on the work I did for the openldap server as long as this is consistent with the openldap license. Please forward this email to Kurt so he does the appropriate changes to the files to reflect this.

Regards, Juan

-----  
MA

- 
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-----  
Local-Date: Thu, 05 Jun 2003 16:53:32 -0400  
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)  
From: Mark Adamson <adamson@andrew.cmu.edu>  
To: Stephen Frost <sfrost@debian.org>  
Subject: Re: Mark Adamson license in OpenLDAP source

Hi Stephen,

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---

After discussing this license with the OpenLDAP Foundation we received clarification on it:

---

- \* To: Stephen Frost <sfrost@snowman.net>
- \* Subject: Re: OpenLDAP Licenseing issues
- \* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
- \* Date: Wed, 28 May 2003 10:55:44 -0700
- \* Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
- \* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
- \* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
- \* Old-return-path: <Kurt@OpenLDAP.org>

Steven,

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The Foundation sees no reason for it to expend its limited resources seeking clarifications which it believes are unnecessary. You are, of course, welcomed to expend time and energy seeking clarifications you think are necessary. I suggest you contact University's general counsel office (<http://www.umich.edu/~vpgc/>).

Regards, Kurt  
-----

## 6.72 openssh 7.2p2-4ubuntu2.2

### 6.72.1 Available under license :

This package contains a Gnome based implementation of ssh-askpass written by Damien Miller.

It is split out from the main package to isolate the dependency on the Gnome and X11 libraries.

It was packaged for Debian by Philip Hands <[phil@hands.com](mailto:phil@hands.com)>.

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```
/*
**
** GNOME ssh passphrase requestor
**
** Damien Miller <djm@ibs.com.au>
**
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(with help from Dan Brosemer <odin@linuxfreak.com>)

It was downloaded from here:

<ftp://ftp.fu-berlin.de/unix/security/openssh/openssh-2.3.0p1.tar.gz>

worldwide mirrors are listed here:

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The Debian-specific parts of the package were initially derived from the original ssh package, which has since been renamed as ssh-nonfree.

The Debian patch is distributed under the terms of the GPL, which you can find in `/usr/share/common-licenses/GPL-2`.

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The upstream source for this package is a combination of the ssh branch that is being maintained by the OpenBSD team (starting from the last version of SSH that was distributed under a free license), and porting work by Damien Miller <damien@ibs.com.au> to get it working on Linux. Other people also contributed to this, and are

credited in /usr/share/doc/ssh/README.

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make-ssh-known-hosts is Copyright Tero Kivinen <Tero.Kivinen@hut.fi>, and is distributed under the GPL (see source file for details).

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[Tatu continues]

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- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
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[The licence continues]

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*
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* <http://www.core-sdi.com>
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```
* @version 3.0 (December 2000)
*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>
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```

-----

\$OpenBSD: LICENCE,v 1.19 2004/08/30 09:18:08 markus Exp \$  
This package was debianized by Philip Hands <phil@hands.com> on 31 Oct 1999  
(with help from Dan Brosemer <odin@linuxfreak.com>)

It was downloaded from here:  
<ftp://ftp.fu-berlin.de/unix/security/openssh/openssh-2.3.0p1.tar.gz>

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The Debian-specific parts of the package were initially derived from the original ssh package, which has since been renamed as ssh-nonfree.

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The upstream source for this package is a combination of the ssh branch that is being maintained by the OpenBSD team (starting from the last version of SSH that was distributed under a free license), and porting work by Damien Miller <damien@ibs.com.au> to get it working on Linux. Other people also contributed to this, and are credited in /usr/share/doc/ssh/README.

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```
/* $Id: bsd-setres_id.h,v 1.1 2012/11/05 06:04:37 dtucker Exp $ */
```

```
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```

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```

```
*/
```

```
#ifndef HAVE_SETRESGID
```

```

int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
/* $OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */

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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#ifndef HAVE_POLL
#define HAVE_POLL
#endif
#ifndef _COMPAT_POLL_H
#define _COMPAT_POLL_H

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004

```

```

#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfd_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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 */

#endif _BSD_WAITPID_H
#define _BSD_WAITPID_H

```

```

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
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```

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```
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*
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*
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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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Source: <http://p11-glue.freedesktop.org/p11-kit.html>

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p11-kit/test-log.c trust/anchor.c trust/anchor.h

trust/enumerate.c trust/enumerate.h trust/extract.c

trust/extract-cer.c trust/extract.h trust/extract-jks.c

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## 6.77 pcsc-lite 1.8.14-1ubuntu1.16.04.1

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

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 1, or (at your option)  
any later version.
```

```
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```

```
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```

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

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

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

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

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

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

That's all there is to it!

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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>."

build\_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';
}

# Otherwise simply check that the two copyright dates match each other:
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) = $copyright_msg =~ /\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

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

$year;
}

```

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Version 1, February 1989

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

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```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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#### Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

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

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

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

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Sockets

-----

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

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MD5 message digest algorithm

-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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

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

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include

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

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.  
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.  
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

Asynchronous socket services

-----

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Execution tracing

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

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-----  
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Select kqueue

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-----

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libffi

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zlib

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (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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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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1.6.1	1.6	2001	CNRI	yes (2)
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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2.4	2.3	2004	PSF	yes
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2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
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Mersenne Twister

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The `\_random` module includes code based on a download from <http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code:

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

Before using, initialize the state by using `init_genrand(seed)`  
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Sockets

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

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

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This package was put together by Matthias Klose <doko@debian.org>.

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<ftp.gnu.org/pub/gnu/readline/readline-4.3.tar.gz>.

Author: Per Bothner

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```
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* Some code from Johnson & Troan: "Linux Application Development"  
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*/
```

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Version 3, 29 June 2007

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## 6.92 Ubuntu 16.04.3 Server ISO 16.04.3

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Version 3, 29 June 2007

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## TERMS AND CONDITIONS

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```

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```
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```

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Version 3, 29 June 2007

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## 6.93 Unzip 6.0-20ubuntu1

### 6.93.1 Available under license :

This is the Debian prepackaged version of "unzip", Info-Zip's fast, portable, zipfile decompression utility.

This package is currently maintained by Santiago Vila <sanvila@debian.org> and built from sources obtained from:

<ftp://ftp.info-zip.org/pub/infozip/src/unzip60.tgz>

The changes were fairly minimal, and consisted solely of adding various debian/\* files to the distribution, plus several miscellaneous fixes as reflected in the Debian changelog.

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There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/\*"), Steve P. Miller (Pocket UnZip GUI "wince/\*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

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its licensing requirements. (unshrink.c may be removed from future releases altogether.)

---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
* MoreFiles
*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
* (Apple Macintosh Developer Technical Support Emeritus)
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```

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The following copyright applies to the Mac OS "macbin3" decoding code (extra field compatibility with ZipIt):

- \* MacBinaryIII.h
- \*
- \* Copyright 1997 Christopher Evans (cevans@poppybank.com)
- \*
- \* Basic encoding and decoding of Macintosh files to the
- \* MacBinary III spec.
- \* -----
- \* This source is copyrighted by Christopher Evans (cevans@poppybank.com)
- \* (available at ftp://ftp.lazerware.com/MacBinaryIII\_src\_C.sit
- \* homepage of Leonard Rosenthol leonardr@netcom.com)

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-----

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

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The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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## 6.94 upstart 1.13.2-0ubuntu21.1 :0ubuntu21.1

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```
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```

```
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## 6.96 util-linux 2.27.1-6ubuntu3.3

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Upstream-Name: util-linux

Upstream-Contact: util-linux@vger.kernel.org

Source: <https://www.kernel.org/pub/linux/utils/util-linux/>

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    term-utils/mesg.c

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    term-utils/ttymsg.c

    term-utils/wall.c



term-utils/write.c  
text-utils/col.c  
text-utils/colcrt.c  
text-utils/colrm.c  
text-utils/column.c  
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Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 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  
1bebf87248e05d6e4e62b749da65d023 bsd.img  
Set 2nd partition type  
2d8e8dff51a88a045db233418dd73fbe 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  
2e1cee529cb59c9341afef0443f196a1 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

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

Slice	Start	End	Sectors	Size	Type	Fsize	Bsize	Cpg
-------	-------	-----	---------	------	------	-------	-------	-----

a	4096	6144	2049	1M	4.2BSD	0	0	0
---	------	------	------	----	--------	---	---	---

c	4096	20479	16384	8M	unused	0	0	0
---	------	-------	-------	----	--------	---	---	---

d	0	16064	16065	7.9M	unused	0	0	0
---	---	-------	-------	------	--------	---	---	---

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-----

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

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

Command (m for help):

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

Command (m for help):

```
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Version 2, June 1991
```

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https://grizzly.dev.java.net/  
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<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
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<style type="text/css">  
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    margin: 0.25in 0.5in 0.25in 0.5in;  
    tab-interval: 0.5in;  
}
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  margin-top: 0.5em;
  margin-bottom: 0.5em;
}
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  margin-top: 0.05em;
  margin-bottom: 0.05em;
}
</style>

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

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## 7.4 XmlDoc2CmdletDoc 0.2.10

## 8.1 acl 2.2.52-3

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## 8.3 akka 2.3.0

## 8.4 akka-actor\_2.10 2.3.0

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## 8.23 apache-cxf 3.1.10

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```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<!-- NewPage -->
<html lang="en">
<head>
<!-- Generated by javadoc -->
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>CopyingOutputStream (Apache CXF JavaDoc 3.1.10 API)</title>
<link rel="stylesheet" type="text/css" href="../../../../stylesheet.css" title="Style">
<script type="text/javascript" src="../../../../script.js"></script>
</head>
<body>
<script type="text/javascript"><!--
  try {
    if (location.href.indexOf('is-external=true') == -1) {
      parent.document.title="CopyingOutputStream (Apache CXF JavaDoc 3.1.10 API)";
    }
  }
  catch(err) {
  }
  //-->
var methods = {"i0":6};
var tabs = {65535:["t0","All Methods"],2:["t2","Instance Methods"],4:["t3","Abstract Methods"]};
var altColor = "altColor";
var rowColor = "rowColor";
var tableTab = "tableTab";
var activeTableTab = "activeTableTab";
</script>
<noscript>
<div>JavaScript is disabled on your browser.</div>
</noscript>
<!-- ===== START OF TOP NAVBAR ===== -->
<div class="topNav"><a name="navbar.top">
<!-- -->
</a>
<div class="skipNav"><a href="#skip.navbar.top" title="Skip navigation links">Skip navigation links</a></div>
<a name="navbar.top.firstrow">
<!-- -->
</a>
<ul class="navList" title="Navigation">
<li><a href="../../../../overview-summary.html">Overview</a></li>
```

```

<li><a href="package-summary.html">Package</a></li>
<li class="navBarCell1Rev">Class</li>
<li><a href="class-use/CopyingOutputStream.html">Use</a></li>
<li><a href="package-tree.html">Tree</a></li>
<li><a href="../../deprected-list.html">Deprecatd</a></li>
<li><a href="../../index-all.html">Index</a></li>
<li><a href="../../help-doc.html">Help</a></li>
</ul>
<div class="aboutLanguage">Apache CXF API</div>
</div>
<div class="subNav">
<ul class="navList">
<li><a href="../../org/apache/cxf/io/CipherPair.html" title="class in org.apache.cxf.io"><span
class="typeNameLink">Prev&nbsp;Class</span></a></li>
<li><a href="../../org/apache/cxf/io/DelegatingInputStream.html" title="class in org.apache.cxf.io"><span
class="typeNameLink">Next&nbsp;Class</span></a></li>
</ul>
<ul class="navList">
<li><a href="../../index.html?org/apache/cxf/io/CopyingOutputStream.html" target="_top">Frames</a></li>
<li><a href="CopyingOutputStream.html" target="_top">No&nbsp;Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_top">
<li><a href="../../allclasses-noframe.html">All&nbsp;Classes</a></li>
</ul>
<div>
<script type="text/javascript"><!--
allClassesLink = document.getElementById("allclasses_navbar_top");
if(window==top) {
  allClassesLink.style.display = "block";
}
else {
  allClassesLink.style.display = "none";
}
-->
</script>
</div>
<div>
<ul class="subNavList">
<li>Summary:&nbsp;</li>
<li>Nested&nbsp;&nbsp;</li>
<li>Field&nbsp;|&nbsp;</li>
<li>Constr&nbsp;&nbsp;</li>
<li><a href="#method.summary">Method</a></li>
</ul>
<ul class="subNavList">
<li>Detail:&nbsp;</li>
<li>Field&nbsp;|&nbsp;</li>
<li>Constr&nbsp;&nbsp;</li>

```



```

<li><a href="#method.detail">Method</a></li>
</ul>
</div>
<a name="skip.navbar.top">
<!-- -->
</a></div>
<!-- ===== END OF TOP NAVBAR ===== -->
<!-- ===== START OF CLASS DATA ===== -->
<div class="header">
<div class="subTitle">org.apache.cxf.io</div>
<h2 title="Interface CopyingOutputStream" class="title">Interface CopyingOutputStream</h2>
</div>
<div class="contentContainer">
<div class="description">
<ul class="blockList">
<li class="blockList">
<hr>
<br>
<pre>public interface <span class="typeNameLabel">CopyingOutputStream</span></pre>
<div class="block">Marker interface for OutputStreams that can directly support
copying from an input stream. OutputStreams that maintain their
own byte buffer or similar may be able to optimize the copy
instead of using the read/write into a temporary buffer that
the normal IOUtils.copy method requires.</div>
</li>
</ul>
</div>
<div class="summary">
<ul class="blockList">
<li class="blockList">
<!-- ===== METHOD SUMMARY ===== -->
<ul class="blockList">
<li class="blockList"><a name="method.summary">
<!-- -->
</a>
<h3>Method Summary</h3>
<table class="memberSummary" border="0" cellpadding="3" cellspacing="0" summary="Method Summary table,
listing methods, and an explanation">
<caption><span id="t0" class="activeTableTab"><span>All Methods</span><span
class="tabEnd">&nbsp;</span></span><span id="t2" class="tableTab"><span><a
href="javascript:show(2);">Instance Methods</a></span><span class="tabEnd">&nbsp;</span></span><span
id="t3" class="tableTab"><span><a href="javascript:show(4);">Abstract Methods</a></span><span
class="tabEnd">&nbsp;</span></span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tr id="i0" class="altColor">

```

```

<td class="colFirst"><code>int</code></td>
<td class="colLast"><code><span class="memberNameLink"><a
href="../../../../org/apache/cxf/io/CopyingOutputStream.html#copyFrom-java.io.InputStream-
">copyFrom</a></span><(a href="http://docs.oracle.com/javase/7/docs/api/java/io/InputStream.html?is-
external=true" title="class or interface in java.io">InputStream</a>&nbsp;in)</code>&nbsp;</td>
</tr>
</table>
</li>
</ul>
</li>
</ul>
</div>
<div class="details">
<ul class="blockList">
<li class="blockList">
<!-- ===== METHOD DETAIL ===== -->
<ul class="blockList">
<li class="blockList"><a name="method.detail">
<!-- -->
</a>
<h3>Method Detail</h3>
<a name="copyFrom-java.io.InputStream-">
<!-- -->
</a>
<ul class="blockListLast">
<li class="blockList">
<h4>copyFrom</h4>
<pre>int&nbsp;copyFrom(<a href="http://docs.oracle.com/javase/7/docs/api/java/io/InputStream.html?is-
external=true" title="class or interface in java.io">InputStream</a>&nbsp;in)
    throws <a href="http://docs.oracle.com/javase/7/docs/api/java/io/IOException.html?is-external=true" title="class
or interface in java.io">IOException</a></pre>
<dl>
<dt><span class="throwsLabel">Throws:</span></dt>
<dd><code><a href="http://docs.oracle.com/javase/7/docs/api/java/io/IOException.html?is-external=true"
title="class or interface in java.io">IOException</a></code></dd>
</dl>
</li>
</ul>
</li>
</ul>
</div>
</div>
<!-- ===== END OF CLASS DATA ===== -->
<!-- ===== START OF BOTTOM NAVBAR ===== -->
<div class="bottomNav"><a name="navbar.bottom">
<!-- -->

```

```

</a>
<div class="skipNav"><a href="#skip.navbar.bottom" title="Skip navigation links">Skip navigation
links</a></div>
<a name="navbar.bottom.firstrow">
<!-- -->
</a>
<ul class="navList" title="Navigation">
<li><a href="../../overview-summary.html">Overview</a></li>
<li><a href="package-summary.html">Package</a></li>
<li class="navBarCell1Rev">Class</li>
<li><a href="class-use/CopyingOutputStream.html">Use</a></li>
<li><a href="package-tree.html">Tree</a></li>
<li><a href="../../deprecated-list.html">Deprecated</a></li>
<li><a href="../../index-all.html">Index</a></li>
<li><a href="../../help-doc.html">Help</a></li>
</ul>
<div class="aboutLanguage">Apache CXF API</div>
</div>
<div class="subNav">
<ul class="navList">
<li><a href="../../org/apache/cxf/io/CipherPair.html" title="class in org.apache.cxf.io"><span
class="typeNameLink">Prev&nbsp;Class</span></a></li>
<li><a href="../../org/apache/cxf/io/DelegatingInputStream.html" title="class in org.apache.cxf.io"><span
class="typeNameLink">Next&nbsp;Class</span></a></li>
</ul>
<ul class="navList">
<li><a href="../../index.html?org/apache/cxf/io/CopyingOutputStream.html" target="_top">Frames</a></li>
<li><a href="CopyingOutputStream.html" target="_top">No&nbsp;Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_bottom">
<li><a href="../../allclasses-noframe.html">All&nbsp;Classes</a></li>
</ul>
<div>
<script type="text/javascript"><!--
allClassesLink = document.getElementById("allclasses_navbar_bottom");
if(window==top) {
    allClassesLink.style.display = "block";
}
else {
    allClassesLink.style.display = "none";
}
-->
</script>
</div>
<div>
<ul class="subNavList">
<li>Summary:&nbsp;</li>
<li>Nested&nbsp;&nbsp;&nbsp;</li>

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<li>Field&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</li>
<li>Constr&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</li>
<li><a href="#method.summary">Method</a></li>
</ul>
<ul class="subNavList">
<li>Detail:&nbsp;&nbsp;&nbsp;</li>
<li>Field&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</li>
<li>Constr&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</li>
<li><a href="#method.detail">Method</a></li>
</ul>
</div>
<a name="skip.navbar.bottom">
<!-- -->
</a></div>
<!-- ===== END OF BOTTOM NAVBAR ===== -->
<p class="legalCopy"><small>Apache CXF</small></p>
</body>
</html>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<!-- NewPage -->
<html lang="en">
<head>
<!-- Generated by javadoc -->
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Uses of Interface org.apache.cxf.io.CopyingOutputStream (Apache CXF JavaDoc 3.1.10 API)</title>
<link rel="stylesheet" type="text/css" href="../../../../../../stylesheet.css" title="Style">
<script type="text/javascript" src="../../../../../../script.js"></script>
</head>
<body>
<script type="text/javascript"><!--
    try {
        if (location.href.indexOf('is-external=true') == -1) {
            parent.document.title="Uses of Interface org.apache.cxf.io.CopyingOutputStream (Apache CXF JavaDoc
3.1.10 API)";
        }
    }
    catch(err) {
    }
//-->
</script>
<noscript>
<div>JavaScript is disabled on your browser.</div>
</noscript>
<!-- ===== START OF TOP NAVBAR ===== -->
<div class="topNav"><a name="navbar.top">
<!-- -->
</a>
```

```

<div class="skipNav"><a href="#skip.navbar.top" title="Skip navigation links">Skip navigation links</a></div>
<a name="navbar.top.firstrow">
<!-- -->
</a>
<ul class="navList" title="Navigation">
<li><a href=" ../ ../ ../ overview-summary.html">Overview</a></li>
<li><a href=" ../ package-summary.html">Package</a></li>
<li><a href=" ../ ../ ../ org/apache/cxf/io/CopyingOutputStream.html" title="interface in
org.apache.cxf.io">Class</a></li>
<li class="navBarCell1Rev">Use</li>
<li><a href=" ../ ../ ../ overview-tree.html">Tree</a></li>
<li><a href=" ../ ../ ../ deprecated-list.html">Deprecated</a></li>
<li><a href=" ../ ../ ../ index-all.html">Index</a></li>
<li><a href=" ../ ../ ../ help-doc.html">Help</a></li>
</ul>
<div class="aboutLanguage">Apache CXF API</div>
</div>
<div class="subNav">
<ul class="navList">
<li>Prev</li>
<li>Next</li>
</ul>
<ul class="navList">
<li><a href=" ../ ../ ../ index.html?org/apache/cxf/io/class-use/CopyingOutputStream.html"
target="_top">Frames</a></li>
<li><a href=" CopyingOutputStream.html" target="_top">No&nbsp;Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_top">
<li><a href=" ../ ../ ../ allclasses-noframe.html">All&nbsp;Classes</a></li>
</ul>
</div>
<script type="text/javascript"><!--
allClassesLink = document.getElementById("allclasses_navbar_top");
if(window==top) {
  allClassesLink.style.display = "block";
}
else {
  allClassesLink.style.display = "none";
}
//-->
</script>
</div>
<a name="skip.navbar.top">
<!-- -->
</a></div>
<!-- ===== END OF TOP NAVBAR ===== -->
<div class="header">
<h2 title="Uses of Interface org.apache.cxf.io.CopyingOutputStream" class="title">Uses of

```

```

Interface<br>org.apache.cxf.io.CopyingOutputStream</h2>
</div>
<div class="classUseContainer">No usage of org.apache.cxf.io.CopyingOutputStream</div>
<!-- ===== START OF BOTTOM NAVBAR ===== -->
<div class="bottomNav"><a name="navbar.bottom">
<!-- -->
</a>
<div class="skipNav"><a href="#skip.navbar.bottom" title="Skip navigation links">Skip navigation
links</a></div>
<a name="navbar.bottom.firstrow">
<!-- -->
</a>
<ul class="navList" title="Navigation">
<li><a href=" ../ ../ ../ overview-summary.html">Overview</a></li>
<li><a href=" ../ package-summary.html">Package</a></li>
<li><a href=" ../ ../ ../ org/apache/cxf/io/CopyingOutputStream.html" title="interface in
org.apache.cxf.io">Class</a></li>
<li class="navBarCell1Rev">Use</li>
<li><a href=" ../ ../ ../ overview-tree.html">Tree</a></li>
<li><a href=" ../ ../ ../ deprecated-list.html">Deprecated</a></li>
<li><a href=" ../ ../ ../ index-all.html">Index</a></li>
<li><a href=" ../ ../ ../ help-doc.html">Help</a></li>
</ul>
<div class="aboutLanguage">Apache CXF API</div>
</div>
<div class="subNav">
<ul class="navList">
<li>Prev</li>
<li>Next</li>
</ul>
<ul class="navList">
<li><a href=" ../ ../ ../ index.html?org/apache/cxf/io/class-use/CopyingOutputStream.html"
target="_top">Frames</a></li>
<li><a href=" CopyingOutputStream.html" target="_top">No&nbsp;Frames</a></li>
</ul>
<ul class="navList" id="allclasses_navbar_bottom">
<li><a href=" ../ ../ ../ allclasses-noframe.html">All&nbsp;Classes</a></li>
</ul>
</div>
<script type="text/javascript"><!--
allClassesLink = document.getElementById("allclasses_navbar_bottom");
if(window==top) {
    allClassesLink.style.display = "block";
}
else {
    allClassesLink.style.display = "none";
}
//-->

```

```
</script>
</div>
<a name="skip.navbar.bottom">
<!-- -->
</a></div>
<!-- ===== END OF BOTTOM NAVBAR ===== -->
<p class="legalCopy"><small>Apache CXF</small></p>
</body>
</html>
```

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta name="generator" content="HTML Tidy, see www.w3.org" />
```

```
<meta http-equiv="Content-Type"
```

```
content="text/html; charset=iso-8859-1" />
```

```
<link rel="stylesheet" type="text/css"
```

```
href="/StyleSheets/base.css" />
```

```
<title>W3C IPR SOFTWARE NOTICE</title>
```

```
</head>
```

```
<body text="#000000" bgcolor="#FFFFFF">
```

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License: MIT License (<http://www.opensource.org/licenses/mit-license.php>)

Simple Logging Facade for Java - API (<http://www.slf4j.org/slf4j-api>) org.slf4j:slf4j-api:jar:1.7.22:compile  
License: MIT License (<http://www.slf4j.org/license.html>)

Simple Logging Facade for Java - JDK Logging (<http://www.slf4j.org/slf4j-jdk14>) org.slf4j:slf4j-jdk14:jar:1.7.22:compile  
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Rhino (<http://www.mozilla.org/rhino/>) rhino:js:jar:1.7R2  
License: Mozilla Public License (<http://www.mozilla.org/MPL/MPL-1.1.html>)

WSDL4J (<http://sf.net/projects/wsdl4j>) wsdl4j:wsdl4j:jar:1.6.3  
License: CPL (<http://www.opensource.org/licenses/cpl1.0.txt>)

2,

!"\$%&delegate-

```
Lnet/sf/ehcache/store/ElementValueComparator;copyStrategyHandler*Lnet/sf/ehcache/store/CopyStrategyHandler;  
<init>Z(Lnet/sf/ehcache/store/ElementValueComparator;Lnet/sf/ehcache/store/CopyStrategyHandler;)VCodeLineN  
umberTableLocalVariableTablethisCopyingElementValueComparatorInnerClassesFLnet/sf/ehcache/store/Copying  
CacheStore$CopyingElementValueComparator;equals3(Lnet/sf/ehcache/Element;Lnet/sf/ehcache/Element;)/Ze1Lne  
t/sf/ehcache/Element;e2
```

SourceFileCopyingCacheStore.java

,

```
()*+Dnet/sf/ehcache/store/CopyingCacheStore$CopyingElementValueComparatorjava/lang/Object+net/sf/ehcache/s  
tore/ElementValueComparator()V(net/sf/ehcache/store/CopyStrategyHandlercopyElementForReadIfNeeded2(Lnet/s  
f/ehcache/Element;)Lnet/sf/ehcache/Element;&net/sf/ehcache/store/CopyingCacheStore
```

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X\*\*+\*,w

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```
CCopyingElementValueComparatorInnerClasses<init>m(Lnet/sf/ehcache/store/Store;ZZLnet/sf/ehcache/store/compound/ReadWriteCopyStrategy;Ljava/lang/ClassLoader;)VCodeLineNumberTableLocalVariableTablethis(Lnet/sf/ehcache/store/CopyingCacheStore;storeLnet/sf/ehcache/store/Store;copyOnReadZcopyOnWritecopyStrategyInstance5Lnet/sf/ehcache/store/compound/ReadWriteCopyStrategy;loaderLjava/lang/ClassLoader;LocalVariableTypeTable-Lnet/sf/ehcache/store/CopyingCacheStore<TT;>;TT;OLnet/sf/ehcache/store/compound/ReadWriteCopyStrategy<Lnet/sf/ehcache/Element;>;Signaturen(TT;ZZLnet/sf/ehcache/store/compound/ReadWriteCopyStrategy<Lnet/sf/ehcache/Element;>;Ljava/lang/ClassLoader;)VwrapIfCopyd(Lnet/sf/ehcache/store/Store;Lnet/sf/ehcache/config/CacheConfiguration;)Lnet/sf/ehcache/store/Store;cacheStorecacheConfiguration*Lnet/sf/ehcache/config/CacheConfiguration;StackMapTablewrap(Lnet/sf/ehcache/store/Store;Lnet/sf/ehcache/config/CacheConfiguration;)Lnet/sf/ehcache/store/CopyingCacheStore;}<T::Lnet/sf/ehcache/store/Store;>(TT;Lnet/sf/ehcache/config/CacheConfiguration;)Lnet/sf/ehcache/store/CopyingCacheStore<TT;>;requiresCopy-(Lnet/sf/ehcache/config/CacheConfiguration;)ZisCopyOnReadAndCopyOnWrite(Lnet/sf/ehcache/store/ElementValueComparator;Lnet/sf/ehcache/config/CacheConfiguration;)Lnet/sf/ehcache/store/ElementValueComparator;copyStrategyHandler*Lnet/sf/ehcache/store/CopyStrategyHandler;comparator-Lnet/sf/ehcache/store/ElementValueComparator;getUnderlyingStore()Lnet/sf/ehcache/store/Store;recalculateSize(Ljava/lang/Object;)Vx0Ljava/lang/Object;getAll(Ljava/util/Collection;)Ljava/util/Map;Ljava/util/Collection;getAllQuietgetSearchAttributes(Ljava/util/Set;getSearchAttribute5(Ljava/lang/String;)Lnet/sf/ehcache/search/Attribute;Ljava/lang/String;executeQueryB(Lnet/sf/ehcache/store/StoreQuery;)Lnet/sf/ehcache/search/Results;!Lnet/sf/ehcache/store/StoreQuery;ExceptionssetAttributeExtractors(Ljava/util/Map;)VLjava/util/Map;getMBean()Ljava/lang/Object;waitUntilClusterCoherent()VsetNodeCoherent(Z)VisNodeCoherent(Z)isClusterCoherentisCacheCoherentgetInternalContextsetInMemoryEvictionPolicy(Lnet/sf/ehcache/store/Policy;)VLnet/sf/ehcache/store/Policy;getInMemoryEvictionPolicy()Lnet/sf/ehcache/store/Policy;bufferFullflushexpireElementscontainsKeyInMemory(Ljava/lang/Object;)ZcontainsKeyOffHeapcontainsKeyOnDiskcontainsKeygetStatus()Lnet/sf/ehcache/Status;hasAbortedSizeOfgetOnDiskSizeInBytes(J)getOffHeapSizeInBytesgetInMemorySizeInBytesgetTerracottaClusteredSize()IgetOnDiskSizegetOffHeapSizegetInMemorySizegetSizedisposereplace2(Lnet/sf/ehcache/Element;)Lnet/sf/ehcache/Element;Lnet/sf/ehcache/Element;` (Lnet/sf/ehcache/Element;Lnet/sf/ehcache/Element;Lnet/sf/ehcache/store/Element
```

```

ntValueComparator;)Zx1x2
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SourceFileCopyingCacheStore.javaFGefbc
!#$%&net/sf/ehcache/store/CopyingCacheStore%&gf(net/sf/ehcache/store/CopyStrategyHandlerF'Dnet/sf/ehcache/store/CopyingCacheStore$CopyingElementValueComparatorF(mnopstvtwxyz|}.net/sf/ehcache/store/AbstractCopyingCacheStore%net/sf/ehcache/search/SearchException'java/lang/UnsupportedOperationException7net/sf/ehcache/terracotta/TerracottaNotRunningExceptionjava/lang/InterruptedExceptionjava/io/IOExceptionjava/lang/NullPointerException'java/lang/IllegalArgumentExceptionnet/sf/ehcache/CacheException(net/sf/ehcache/config/CacheConfigurationgetCopyStrategyConfiguration3())Lnet/sf/ehcache/config/CopyStrategyConfiguration;getClassLoader()Ljava/lang/ClassLoader;/net/sf/ehcache/config/CopyStrategyConfigurationgetCopyStrategyInstanceN(Ljava/lang/ClassLoader;)Lnet/sf/ehcache/store/compound/ReadWriteCopyStrategy;isCopyOnRead
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)*J>KLMNOPQRSTUVWXYZ[ \]HT+ *+*145
7J^N_`a
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```

```

nts()Ljava/lang/Iterable; Signature0()Ljava/lang/Iterable<Lnet/sf/ehcache/Element>;
getSearchable$()Lnet/sf/ehcache/config/Searchable;transformForIndexing2(Lnet/sf/ehcache/Element;)Lnet/sf/ehcac
he/Element;elementLnet/sf/ehcache/Element;
SourceFileCopyingBruteForceSource.java1<net/sf/ehcache/store/CopyingBruteForceSource$CopyingIterable234
,net/sf/ehcache/store/CopyingBruteForceSourcejava/lang/Object%net/sf/ehcache/store/BruteForceSource()VA(Ljav
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= *+9 !"# $
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& ' ( )
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access$000j(Lnet/sf/ehcache/store/CopyingBruteForceSource$CopyingIterable;)Lnet/sf/ehcache/store/CopyStrategy
Handler;x0@Ljava/lang/Object;Ljava/lang/Iterable<Lnet/sf/ehcache/Element>;>;
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able;Ljava/util/Iterator;)VCodeLineNumberTableLocalVariableTablethisCopyingIteratorNLnet/sf/ehcache/store/Co
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sf/ehcache/Element;,net/sf/ehcache/store/CopyingBruteForceSource
]*+**,*S TU !"4

```

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## 8.24 apache-cxf 3.1.10

### 8.24.1 Available under license :

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\*/

package org.apache.cxf.io;

import java.io.IOException;  
import java.io.InputStream;

/\*\*

\* Marker interface for OutputStreams that can directly support  
\* copying from an input stream. OutputStreams that maintain their  
\* own byte buffer or similar may be able to optimize the copy  
\* instead of using the read/write into a temporary buffer that  
\* the normal IOUtils.copy method requires.  
\*/

public interface CopyingOutputStream {

int copyFrom(InputStream in) throws IOException;

}

/\*\*

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\*/

```
package org.apache.cxf.rs.security.oauth2.common;
```

```
import java.io.Serializable;
```

```
import javax.persistence.Id;
```

```
import javax.persistence.MappedSuperclass;
```

```
import javax.persistence.Transient;
```

```
/**
```

```
 * Base permission description
```

```
 * @see OAuthAuthorizationData
```

```
*/
```

```
@MappedSuperclass
```

```
public class Permission implements Serializable {
```

```
    private static final long serialVersionUID = 8988574955042726083L;
```

```
    private String permission;
```

```
    private String description;
```

```
    private boolean isDefaultPermission;
```

```
    private boolean invisibleToClient;
```

```
    public Permission() {
```

```
    }
```

```
    public Permission(String permission, String description) {
```

```
        this.description = description;
```

```
        this.permission = permission;
```

```
    }
```

```
/**
```

```
 * Gets the permission description
```

```
 * @return the description
```

```
*/
```

```

public String getDescription() {
    return description;
}

/**
 * Sets the permission description
 * @param description
 */
public void setDescription(String description) {
    this.description = description;
}

/**
 * Get the permission value such as "read_calendar"
 * @return the value
 */
@Id
public String getPermission() {
    return permission;
}

/**
 * Sets the permission value such as "read_calendar"
 * @param permission the permission value
 */
public void setPermission(String permission) {
    this.permission = permission;
}

/**
 * Indicates if this permission has been allocated by default or not.
 * Authorization View handlers may use this property to optimize the way the user selects the
 * scopes.
 * For example, assume that 'read', 'add' and 'update' scopes are supported and the
 * 'read' scope is always allocated. This can be presented at the UI level as follows:
 * the read-only check-box control will represent a 'read' scope and a user will be able to
 * optionally select 'add' and/or 'update' scopes, in addition to the default 'read' one.
 * @param isDefault true if the permission has been allocated by default
 */
public void setDefaultPermission(boolean value) {
    this.isDefaultPermission = value;
}

public boolean isDefaultPermission() {
    return isDefaultPermission;
}

@Deprecated

```

```

@Transient
public boolean isDefault() {
    return isDefaultPermission;
}

public boolean isInvisibleToClient() {
    return invisibleToClient;
}

/**
 * Set the visibility status; by default all the scopes approved by a user can
 * be optionally reported to the client in access token responses. Some scopes may need
 * to stay 'invisible' to client.
 * @param invisibleToClient
 */
public void setInvisibleToClient(boolean invisibleToClient) {
    this.invisibleToClient = invisibleToClient;
}

@Override
public boolean equals(Object object) {
    if (!(object instanceof Permission)) {
        return false;
    }

    Permission that = (Permission)object;
    if (!this.getPermission().equals(that.getPermission())) {
        return false;
    }
    if (this.getDescription() != null && that.getDescription() == null
        || this.getDescription() == null && that.getDescription() != null
        || this.getDescription() != null && !this.getDescription().equals(that.getDescription())) {
        return false;
    }
    if (this.isInvisibleToClient() != that.isInvisibleToClient() //NOPMD
        || this.isDefaultPermission() != that.isDefaultPermission()) { //NOPMD
        return false;
    }

    return true;
}

@Override
public int hashCode() {
    int hashCode = getPermission().hashCode();
    if (getDescription() != null) {
        hashCode = 31 * hashCode + getDescription().hashCode();
    }
}

```

```

        hashCode = 31 * hashCode + Boolean.valueOf(isInvisibleToClient()).hashCode();
        hashCode = 31 * hashCode + Boolean.valueOf(isDefaultPermission()).hashCode();

        return hashCode;
    }
}
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 */
package org.apache.cxf.rs.security.oauth.data;

/**
 * Base permission description which is visible to
 * authorization handlers
 * @see OAuthAuthorizationData
 */
public class Permission {
    private String permission;
    private String description;
    private boolean isDefault;

    public Permission() {

    }

    public Permission(String permission, String description) {
        this.description = description;
        this.permission = permission;
    }

    public String getDescription() {
        return description;
    }
}

```

```

public void setDescription(String description) {
    this.description = description;
}

public String getPermission() {
    return permission;
}

public void setPermission(String permission) {
    this.permission = permission;
}

/**
 * Indicates that this permission has been allocated by default.
 * Authorization View handlers may use this property in order to restrict
 * the list of scopes which may be refused to non-default scopes only
 * @param isDefault
 */
public void setDefault(boolean value) {
    this.isDefault = value;
}

public boolean isDefault() {
    return isDefault;
}
}

```

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta name="generator" content="HTML Tidy, see www.w3.org" />
```

```
<meta http-equiv="Content-Type"
```

```
content="text/html; charset=iso-8859-1" />
```

```
<link rel="stylesheet" type="text/css"
```

```
href="/StyleSheets/base.css" />
```

```
<title>W3C IPR SOFTWARE NOTICE</title>
```

```
</head>
```

```
<body text="#000000" bgcolor="#FFFFFF">
```

```
<h1>W3C<sup>&reg;</sup> SOFTWARE NOTICE AND LICENSE</h1>
```

```
<h3>Copyright &copy; 1994-2002 <a href="http://www.w3.org/">World
```

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Wide Web Consortium</a>, (<a
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href="http://www.lcs.mit.edu/">Massachusetts Institute of
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Technology</a>, <a href="http://www.inria.fr/">Institut National de
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&nbsp;</p>

<p>&nbsp;</p>

<address><a href=" ../Help/Webmaster.html">webmaster</a><br />

(last updated \$Date\$)</address>

</body>

</html>

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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />

<title>Eclipse Public License - Version 1.0</title>

<style type="text/css">

body {

size: 8.5in 11.0in;

margin: 0.25in 0.5in 0.25in 0.5in;

tab-interval: 0.5in;

}

p {

```
margin-left: auto;
margin-top: 0.5em;
margin-bottom: 0.5em;
}
p.list {
margin-left: 0.5in;
margin-top: 0.05em;
margin-bottom: 0.05em;
}
</style>
```

```
</head>
```

```
<body lang="EN-US">
```

```
<h2>Eclipse Public License - v 1.0</h2>
```

```
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```

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## 8.25 apache-cxf 3.2.11

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*/

```

```
package org.apache.cxf.io;
```

```
import java.io.IOException;
import java.io.InputStream;
```

```
/**
 * Marker interface for OutputStreams that can directly support
 * copying from an input stream. OutputStreams that maintain their
 * own byte buffer or similar may be able to optimize the copy
 * instead of using the read/write into a temporary buffer that
 * the normal IOUtils.copy method requires.
 */
```

```
public interface CopyingOutputStream {
```

```
    int copyFrom(InputStream in) throws IOException;
```

```
}
```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
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<html xmlns="http://www.w3.org/1999/xhtml">

<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Eclipse Public License - Version 1.0</title>
<style type="text/css">
body {
    size: 8.5in 11.0in;
    margin: 0.25in 0.5in 0.25in 0.5in;
    tab-interval: 0.5in;
}
p {
    margin-left: auto;
    margin-top: 0.5em;
    margin-bottom: 0.5em;
}
p.list {
    margin-left: 0.5in;
    margin-top: 0.05em;
    margin-bottom: 0.05em;
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</style>

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## $Date: 2008-03-09 23:17:06 -0700 (Sun, 09 Mar 2008) $ $Rev: 635446 $
##
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```

```
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  License: $license.name #if ($license.url) ($license.url)#end
```

```
#end
```

```
#end
```

```
#end
```

```
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```

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```

```
*/
```

```
package org.apache.cxf.rs.security.oauth2.common;
```

```
import java.io.Serializable;
```

```
import javax.persistence.Id;
```

```
import javax.persistence.MappedSuperclass;
```

```
import javax.persistence.Transient;
```

```
/**
```

```
 * Base permission description
```

```
 * @see OAuthAuthorizationData
```

```
*/
```

```
@MappedSuperclass
```

```
public class Permission implements Serializable {
```

```
    private static final long serialVersionUID = 8988574955042726083L;
```

```
    private String permission;
```

```
    private String description;
```

```
    private boolean isDefaultPermission;
```

```
    private boolean invisibleToClient;
```

```
    public Permission() {
```

```
    }
```

```
    public Permission(String permission, String description) {
```

```
        this.description = description;
```

```
        this.permission = permission;
```

```
    }
```

```
/**
```

```
 * Gets the permission description
```

```
 * @return the description
```

```
*/
```

```
    public String getDescription() {
```

```
        return description;
```

```
    }
```

```
/**
```

```

* Sets the permission description
* @param description
*/
public void setDescription(String description) {
    this.description = description;
}

/**
* Get the permission value such as "read_calendar"
* @return the value
*/
@Id
public String getPermission() {
    return permission;
}

/**
* Sets the permission value such as "read_calendar"
* @param permission the permission value
*/
public void setPermission(String permission) {
    this.permission = permission;
}

/**
* Indicates if this permission has been allocated by default or not.
* Authorization View handlers may use this property to optimize the way the user selects the
* scopes.
* For example, assume that read', 'add' and 'update' scopes are supported and the
* 'read' scope is always allocated. This can be presented at the UI level as follows:
* the read-only check-box control will represent a 'read' scope and a user will be able to
* optionally select 'add' and/or 'update' scopes, in addition to the default 'read' one.
* @param isDefault true if the permission has been allocated by default
*/
public void setDefaultPermission(boolean value) {
    this.isDefaultPermission = value;
}

public boolean isDefaultPermission() {
    return isDefaultPermission;
}

@Deprecated
@Transient
public boolean isDefault() {
    return isDefaultPermission;
}

```

```

public boolean isInvisibleToClient() {
    return invisibleToClient;
}

/**
 * Set the visibility status; by default all the scopes approved by a user can
 * be optionally reported to the client in access token responses. Some scopes may need
 * to stay 'invisible' to client.
 * @param invisibleToClient
 */
public void setInvisibleToClient(boolean invisibleToClient) {
    this.invisibleToClient = invisibleToClient;
}

@Override
public boolean equals(Object object) {
    if (!(object instanceof Permission)) {
        return false;
    }

    Permission that = (Permission)object;
    if (!this.getPermission().equals(that.getPermission())) {
        return false;
    }
    if (this.getDescription() != null && that.getDescription() == null
        || this.getDescription() == null && that.getDescription() != null
        || this.getDescription() != null && !this.getDescription().equals(that.getDescription())) {
        return false;
    }
    if (this.isInvisibleToClient() != that.isInvisibleToClient() //NOPMD
        || this.isDefaultPermission() != that.isDefaultPermission()) { //NOPMD
        return false;
    }

    return true;
}

@Override
public int hashCode() {
    int hashCode = getPermission().hashCode();
    if (getDescription() != null) {
        hashCode = 31 * hashCode + getDescription().hashCode();
    }
    hashCode = 31 * hashCode + Boolean.valueOf(isInvisibleToClient()).hashCode();
    hashCode = 31 * hashCode + Boolean.valueOf(isDefaultPermission()).hashCode();

    return hashCode;
}

```



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```

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```

```
*/
```

```
package org.apache.cxf.rs.security.oauth.data;
```

```
/**
```

```
* Base permission description which is visible to
* authorization handlers
* @see OAuthAuthorizationData
*/
```

```
public class Permission {
    private String permission;
    private String description;
    private boolean isDefault;

    public Permission() {

    }

    public Permission(String permission, String description) {
        this.description = description;
        this.permission = permission;
    }
}
```

```

    }

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    public String getPermission() {
        return permission;
    }

    public void setPermission(String permission) {
        this.permission = permission;
    }

    /**
     * Indicates that this permission has been allocated by default.
     * Authorization View handlers may use this property in order to restrict
     * the list of scopes which may be refused to non-default scopes only
     * @param isDefault
     */
    public void setDefault(boolean value) {
        this.isDefault = value;
    }

    public boolean isDefault() {
        return isDefault;
    }
}

```

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/\*

Math.uuid.js (v1.4)

<http://www.broofa.com>

<mailto:robert@broofa.com>

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\*/

package org.apache.cxf.rs.security.oauth.data;

/\*\*

\* Base permission description which is visible to  
\* authorization handlers

\* @see OAuthAuthorizationData

\*/

```
public class Permission {  
    private String permission;  
    private String description;  
    private boolean isDefault;
```

```
    public Permission() {
```

```
}
```

```
    public Permission(String permission, String description) {  
        this.description = description;  
        this.permission = permission;  
    }
```

```

public String getDescription() {
    return description;
}

public void setDescription(String description) {
    this.description = description;
}

public String getPermission() {
    return permission;
}

public void setPermission(String permission) {
    this.permission = permission;
}

/**
 * Indicates that this permission has been allocated by default.
 * Authorization View handlers may use this property in order to restrict
 * the list of scopes which may be refused to non-default scopes only
 * @param isDefault
 */
public void setDefault(boolean value) {
    this.isDefault = value;
}

public boolean isDefault() {
    return isDefault;
}
}

```

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta name="generator" content="HTML Tidy, see www.w3.org" />
```

```
<meta http-equiv="Content-Type"
```

```
content="text/html; charset=iso-8859-1" />
```

```
<link rel="stylesheet" type="text/css"
```

```
href="/StyleSheets/base.css" />
```

```
<title>W3C IPR SOFTWARE NOTICE</title>
```

```
</head>
```

```
<body text="#000000" bgcolor="#FFFFFF">
```

```
<h1>W3C&reg; SOFTWARE NOTICE AND LICENSE</h1>
```

```
<h3>Copyright &copy; 1994-2002 <a href="http://www.w3.org/">World
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</html>

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```
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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Eclipse Public License - Version 1.0</title>
<style type="text/css">
body {
  size: 8.5in 11.0in;
  margin: 0.25in 0.5in 0.25in 0.5in;
  tab-interval: 0.5in;
}
p {
  margin-left: auto;
  margin-top: 0.5em;
  margin-bottom: 0.5em;
}
p.list {
  margin-left: 0.5in;
  margin-top: 0.05em;
  margin-bottom: 0.05em;
}
</style>

</head>

<body lang="EN-US">

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```

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*/

package org.apache.cxf.io;

import java.io.IOException;
import java.io.InputStream;

/**
 * Marker interface for OutputStreams that can directly support
 * copying from an input stream.  OutputStreams that maintain their
 * own byte buffer or similar may be able to optimize the copy
 * instead of using the read/write into a temporary buffer that
 * the normal IOUtils.copy method requires.
 */
public interface CopyingOutputStream {

    int copyFrom(InputStream in) throws IOException;

}

```

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```

## 8.26 apache-log4j 1.2.15

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## 8.29 async-http-client 1.7.16

## 8.30 babel-polyfill 6.13.0

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## 8.31 Backbone.js 1.0.0

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## 8.32 bash 4.3-14ubuntu1.4\_amd64

## 8.33 bcprov-jdk15on 1.51

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

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

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

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

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

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

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

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

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

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

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

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

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

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and

distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

If such an object file uses only numerical parameters, data

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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END OF TERMS AND CONDITIONS

## Appendix: How to Apply These Terms to Your New Libraries

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

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "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!  
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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License



@center Version 2.1, February 1999

@display

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[This is the first released version of the Lesser GPL. It also counts  
as the successor of the GNU Library Public License, version 2, hence the  
version number 2.1.]

@end display

@appendixsubsec Preamble

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

This license, the Lesser General Public License, applies to some  
specially designated software---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  
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it if you want it; that you can change the software and use pieces of it  
in new free programs; and that you are informed that you can do 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 @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

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

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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end iftex
@ifinfo
@center GNU LESSER GENERAL PUBLIC LICENSE
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@end ifinfo
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which contains a notice placed by the copyright holder or other
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licensee is addressed as ``you".
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A ``library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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

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

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

@item

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

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

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The modified work must itself be a software library.

@item

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

@item

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

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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.)

@end enumerate

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

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

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

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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.

@item

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.

@item

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.

@item

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:

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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.)

@item

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.

@item

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

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If 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.

@item

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

@end enumerate

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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@enumerate a

@item

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@end enumerate

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@page

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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.

@smallexample

@var{one line to give the library's name and an idea of what it does.}

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@end smallexample

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

@smallexample

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

@end smallexample

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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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

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

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

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

That's all there is to it!  
(This file is under construction.) -\*- text -\*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.



Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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## 8.38 binutils 2.26.1 :1ubuntu1~16.04.8

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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.)

@end enumerate

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.

@item

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.

@item

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.

@item

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.

@item

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:

@enumerate a

@item

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.)

@item

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.

@item

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.

@item

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.

@item

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

@end enumerate

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

@enumerate a

@item

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.

@item

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.

@end enumerate

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@end enumerate

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@center END OF TERMS AND CONDITIONS

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@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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

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

@smallexample

@var{one line to give the library's name and an idea of what it does.}

Copyright (C) @var{year} @var{name of author}

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@end smallexample

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:

```
@smallexample
```

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

```
@var{signature of Ty Coon}, 1 April 1990
```

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

```
@end smallexample
```

That's all there is to it!

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Version 2.1, February 1999

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

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less



of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a

portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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

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

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

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

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

table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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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its purpose remains meaningful.

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

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Ty Coon, President of Vice

That's all there is to it!  
(This file is under construction.) -\*- text -\*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while

synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.



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(This file is under construction.) -\*- text -\*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, [nickc@redhat.com](mailto:nickc@redhat.com) and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.



The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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@iftex

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@end iftex

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@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

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@page

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@end smallexample

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

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

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@center Version 1.3, 3 November 2008
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```
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```

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```

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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(This file is under construction.) -\*- text -\*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a

coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.



Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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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.

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

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

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



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

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@appendixsubsec Preamble

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary

General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

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

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

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

```
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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end iftex
@ifinfo
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@enumerate 0
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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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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.

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

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

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

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

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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

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

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If 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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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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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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@page

@appendixsubsec 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.

```
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@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end smallexample
```

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

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

That's all there is to it!

# 8.39 boost 1.46.1

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--- end ---

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## 8.41 bzip2 1.0.6-8ubuntu0.2\_amd64

## 8.42 c3p0 0.9.1.1

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Version 2.1, February 1999

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## 8.66 commons-lang3 3.3.2

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## 8.75 cxf-core 3.1.10

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## 8.77 detect-browser 1.6.2

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## 8.78 dispatch-core\_2.10 0.11.0

## 8.79 dom4j 1.6.1

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*/
```

## 8.80 elfutils 0.165-3ubuntu1.2\_amd64

### :3ubuntu1.2

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```
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```

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

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```
/* As a special exception, you may create a larger work that contains
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parser generator using the skeleton or a modified version thereof
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```

```
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version 2.2 of Bison. */
```

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

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

```
/* Identify Bison output. */
```

```
#define YYBISON 1
```

```
/* Bison version. */
```

```
#define YYBISON_VERSION "3.0.4"
```

```
/* Skeleton name. */
```

```
#define YYSKELETON_NAME "yacc.c"
```

```
/* Pure parsers. */
```

```

#define YYPURE 0

/* Push parsers. */
#define YYPUSH 0

/* Pull parsers. */
#define YYPULL 1

/* Substitute the variable and function names. */
#define yyparse      i386_parse
#define yylex        i386_lex
#define yyerror      i386_error
#define yydebug      i386_debug
#define yynerrs      i386_nerrs

#define yylval       i386_lval
#define yychar       i386_char

/* Copy the first part of user declarations. */
#line 1 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:339 */

```

```

/* Parser for i386 CPU description.
Copyright (C) 2004, 2005, 2007, 2008, 2009 Red Hat, Inc.
Written by Ulrich Drepper <drepper@redhat.com>, 2004.

```

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```
#ifdef HAVE_CONFIG_H
# include <config.h>
#endif

#include <assert.h>
#include <ctype.h>
#include <errno.h>
#include <error.h>
#include <inttypes.h>
#include <libintl.h>
#include <math.h>
#include <obstack.h>
#include <search.h>
#include <stdbool.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <sys/param.h>

#include <system.h>

#define obstack_chunk_alloc xmalloc
#define obstack_chunk_free free

/* The error handler. */
static void yyerror (const char *s);

extern int yylex (void);
extern int i386_lineno;
extern char *infilename;

struct known_bitfield
{
  char *name;
  unsigned long int bits;
  int tmp;
};

struct bitvalue
{
  enum bittype { zeroone, field, failure } type;
  union
  {
    unsigned int value;
  }
};
```

```

    struct known_bitfield *field;
};
struct bitvalue *next;
};

```

```

struct argname
{
    enum nametype { string, nfield } type;
    union
    {
        char *str;
        struct known_bitfield *field;
    };
    struct argname *next;
};

```

```

struct argument
{
    struct argname *name;
    struct argument *next;
};

```

```

struct instruction
{
    /* The byte encoding. */
    struct bitvalue *bytes;

    /* Prefix possible. */
    int repe;
    int rep;

    /* Mnemonic. */
    char *mnemonic;

    /* Suffix. */
    enum { suffix_none = 0, suffix_w, suffix_w0, suffix_W, suffix_ttn,
          suffix_w1, suffix_W1, suffix_D } suffix;

    /* Flag set if modr/m is used. */
    int modrm;

    /* Operands. */
    struct operand
    {
        char *fct;

```

```
char *str;
int off1;
int off2;
int off3;
} operands[3];
```

```
struct instruction *next;
};
```

```
struct synonym
{
char *from;
char *to;
};
```

```
struct suffix
{
char *name;
int idx;
};
```

```
struct argstring
{
char *str;
int idx;
int off;
};
```

```
static struct known_bitfield ax_reg =
{
.name = "ax", .bits = 0, .tmp = 0
};
```

```
static struct known_bitfield dx_reg =
{
.name = "dx", .bits = 0, .tmp = 0
};
```

```
static struct known_bitfield di_reg =
{
.name = "es_di", .bits = 0, .tmp = 0
};
```

```
static struct known_bitfield si_reg =
```

```

{
    .name = "ds_si", .bits = 0, .tmp = 0
};

static struct known_bitfield bx_reg =
{
    .name = "ds_bx", .bits = 0, .tmp = 0
};

static int bitfield_compare (const void *p1, const void *p2);
static void new_bitfield (char *name, unsigned long int num);
static void check_bits (struct bitvalue *value);
static int check_duplicates (struct bitvalue *val);
static int check_argstdef (struct bitvalue *bitval, struct argument *args);
static int check_bitsused (struct bitvalue *bitval,
    struct known_bitfield *suffix,
    struct argument *args);
static struct argname *combine (struct argname *name);
static void fillin_arg (struct bitvalue *bytes, struct argname *name,
    struct instruction *instr, int n);
static void find_numbers (void);
static int compare_syn (const void *p1, const void *p2);
static int compare_suf (const void *p1, const void *p2);
static void instrtable_out (void);
#if 0
static void create_mnemonic_table (void);
#endif

static void *bitfields;
static struct instruction *instructions;
static size_t ninstructions;
static void *synonyms;
static void *suffixes;
static int nsuffixes;
static void *mnemonics;
size_t nmnemonics;
extern FILE *outfile;

/* Number of bits used mnemonics. */
#if 0
static size_t best_mnemonic_bits;
#endif

#line 290 "i386_parse.c" /* yacc.c:339 */

# ifndef YY_NULLPTR
#  if defined __cplusplus && 201103L <= __cplusplus

```

```

# define YY_NULLPTR nullptr
# else
# define YY_NULLPTR 0
# endif
# endif

/* Enabling verbose error messages. */
#ifdef YYERROR_VERBOSE
# undef YYERROR_VERBOSE
# define YYERROR_VERBOSE 1
#else
# define YYERROR_VERBOSE 0
#endif

/* In a future release of Bison, this section will be replaced
   by #include "y.tab.h". */
#ifdef YY_I386_I_PARSE_H_INCLUDED
# define YY_I386_I_PARSE_H_INCLUDED
/* Debug traces. */
#ifdef YYDEBUG
# define YYDEBUG 0
#endif
#if YYDEBUG
extern int i386_debug;
#endif

/* Token type. */
#ifdef YYTOKENTYPE
# define YYTOKENTYPE
enum yytokentype
{
    kMASK = 258,
    kPREFIX = 259,
    kSUFFIX = 260,
    kSYNONYM = 261,
    kID = 262,
    kNUMBER = 263,
    kPERCPERC = 264,
    kBITFIELD = 265,
    kCHAR = 266,
    kSPACE = 267
};
#endif
/* Tokens. */
#define kMASK 258
#define kPREFIX 259
#define kSUFFIX 260
#define kSYNONYM 261

```



```

#define kID 262
#define kNUMBER 263
#define kPERCPERC 264
#define kBITFIELD 265
#define kCHAR 266
#define kSPACE 267

/* Value type. */
#if ! defined YYSTYPE && ! defined YYSTYPE_IS_DECLARED

union YYSTYPE
{
#line 217 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:355 */

    unsigned long int num;
    char *str;
    char ch;
    struct known_bitfield *field;
    struct bitvalue *bit;
    struct argname *name;
    struct argument *arg;

#line 364 "i386_parse.c" /* yacc.c:355 */
};

typedef union YYSTYPE YYSTYPE;
# define YYSTYPE_IS_TRIVIAL 1
# define YYSTYPE_IS_DECLARED 1
#endif

extern YYSTYPE i386_lval;

int i386_parse (void);

#endif /* !YY_I386_I_PARSE_H_INCLUDED */

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

#line 381 "i386_parse.c" /* yacc.c:358 */

#ifdef short
# undef short
#endif

#ifdef YYSTYPE_UINT8
typedef YYSTYPE_UINT8 yytype_uint8;
#else

```

```

typedef unsigned char yytype_uint8;
#endif

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

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

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

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

#define YYSIZE_MAXIMUM ((YYSIZE_T) -1)

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

```

```

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

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

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

#if !defined _Noreturn \
    && (!defined __STDC_VERSION__ || __STDC_VERSION__ < 201112)
# if defined _MSC_VER && 1200 <= _MSC_VER
# define _Noreturn __declspec (noreturn)
# else
# define _Noreturn YY_ATTRIBUTE ((__noreturn__))
# endif
#endif

/* Suppress unused-variable warnings by "using" E. */
#if ! defined lint || defined __GNUC__
# define YYUSE(E) ((void) (E))
#else
# define YYUSE(E) /* empty */
#endif

#if defined __GNUC__ && 407 <= __GNUC__ * 100 + __GNUC_MINOR__
/* Suppress an incorrect diagnostic about yylval being uninitialized. */
# define YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN \
    _Pragma ("GCC diagnostic push") \
    _Pragma ("GCC diagnostic ignored \\"-Wuninitialized\\") \
    _Pragma ("GCC diagnostic ignored \\"-Wmaybe-uninitialized\\")
# define YY_IGNORE_MAYBE_UNINITIALIZED_END \
    _Pragma ("GCC diagnostic pop")
#else
# define YY_INITIAL_VALUE(Value) Value
#endif
#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
#  if YYSTACK_USE_ALLOCA
#   ifdef __GNUC__
#    define YYSTACK_ALLOC __builtin_alloca
#   elif defined __BUILTIN_VA_ARG_INCR
#    include <alloca.h> /* INFRINGES ON USER NAME SPACE */
#   elif defined _AIX
#    define YYSTACK_ALLOC __alloca
#   elif defined _MSC_VER
#    include <malloc.h> /* INFRINGES ON USER NAME SPACE */
#    define alloca _alloca
#   else
#    define YYSTACK_ALLOC alloca
#    if ! defined _ALLOCA_H && ! defined EXIT_SUCCESS
#     include <stdlib.h> /* INFRINGES ON USER NAME SPACE */
/* Use EXIT_SUCCESS as a witness for stdlib.h. */
#     ifndef EXIT_SUCCESS
#      define EXIT_SUCCESS 0
#     endif
#    endif
#   endif
#  endif

#  ifndef YYSTACK_ALLOC
/* Pacify GCC's 'empty if-body' warning. */
#   define YYSTACK_FREE(Ptr) do { /* empty */; } while (0)
#  endif
#  ifndef YYSTACK_ALLOC_MAXIMUM
/* The OS might guarantee only one guard page at the bottom of the stack,
and a page size can be as small as 4096 bytes. So we cannot safely
invoke alloca (N) if N exceeds 4096. Use a slightly smaller number
to allow for a few compiler-allocated temporary stack slots. */
#   define YYSTACK_ALLOC_MAXIMUM 4032 /* reasonable circa 2006 */
#  endif
#  else
#   define YYSTACK_ALLOC YYMALLOC
#   define YYSTACK_FREE YYFREE
#  endif
#  ifndef YYSTACK_ALLOC_MAXIMUM
#   define YYSTACK_ALLOC_MAXIMUM
#  endif

```

```

# define YYSTACK_ALLOC_MAXIMUM YYSIZE_MAXIMUM
# endif
# if (defined __cplusplus && ! defined EXIT_SUCCESS \
    && ! ((defined YYMALLOC || defined malloc) \
        && (defined YYFREE || defined free)))
# include <stdlib.h> /* INFRINGES ON USER NAME SPACE */
# ifndef EXIT_SUCCESS
# define EXIT_SUCCESS 0
# endif
# endif
# ifndef YYMALLOC
# define YYMALLOC malloc
# if ! defined malloc && ! defined EXIT_SUCCESS
void *malloc (YYSIZE_T); /* INFRINGES ON USER NAME SPACE */
# endif
# endif
# ifndef YYFREE
# define YYFREE free
# if ! defined free && ! defined EXIT_SUCCESS
void free (void *); /* INFRINGES ON USER NAME SPACE */
# endif
# endif
# endif /* ! defined yyoverflow || YYERROR_VERBOSE */

#if (! defined yyoverflow \
    && (! defined __cplusplus \
        || (defined YYSTYPE_IS_TRIVIAL && YYSTYPE_IS_TRIVIAL)))

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

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

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

# define YYCOPY_NEEDED 1

```

```

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

#endif

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

/* YYFINAL -- State number of the termination state. */
#define YYFINAL 12
/* YYLAST -- Last index in YYTABLE. */
#define YYLAST 37

/* YYNTOKENS -- Number of terminals. */
#define YYNTOKENS 18
/* YYNNTS -- Number of nonterminals. */
#define YYNNTS 14
/* YYNRULES -- Number of rules. */

```

```

#define YYNRULES 32
/* YYNSTATES -- Number of states. */
#define YYNSTATES 49

/* YYTRANSLATE[YYX] -- Symbol number corresponding to YYX as returned
   by yylex, with out-of-bounds checking. */
#define YYUNDEFTOK 2
#define YYMAXUTOK 267

#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,  2,  2,  2,  2,  2,  2,  2,  2,  2,  2,
   13,  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, 15,  2,  2,  2, 16, 17,  2,
    2,  2,  2,  2,  2,  2,  2,  2,  2, 14,  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,  1,  2,  3,  4,
    5,  6,  7,  8,  9, 10, 11, 12
};

#ifdef YYDEBUG
/* YYRLINE[YYN] -- Source line where rule number YYN was defined. */
static const yytype_uint16 yyrline[] =

```

```

{
    0, 247, 247, 257, 258, 261, 263, 265, 267, 279,
    282, 283, 286, 369, 372, 388, 391, 401, 408, 416,
    420, 427, 434, 456, 459, 462, 472, 480, 488, 491,
    523, 532, 539
};
#endif

#if YYDEBUG || YYERROR_VERBOSE || 0
/* YYTNAME[SYMBOL-NUM] -- String name of the symbol SYMBOL-NUM.
   First, the terminals, then, starting at YYNTOKENS, nonterminals. */
static const char *const yytname[] =
{
    "$end", "error", "$undefined", "kMASK", "kPREFIX", "kSUFFIX",
    "kSYNONYM", "kID", "kNUMBER", "kPERCPERC", "kBITFIELD", "kCHAR",
    "kSPACE", "\\n", ":", ",", "0", "1", "$accept", "spec",
    "masks", "mask", "instrs", "instr", "bitfieldopt", "bytes", "byte",
    "bit", "optargs", "args", "arg", "argcomp", YY_NULLPTR
};
#endif

# ifdef YYPRINT
/* YYTOKNUM[NUM] -- (External) token number corresponding to the
   (internal) symbol number NUM (which must be that of a token). */
static const yytype_uint16 yytoknum[] =
{
    0, 256, 257, 258, 259, 260, 261, 262, 263, 264,
    265, 266, 267, 10, 58, 44, 48, 49
};
# endif

#define YYPACT_NINF -35

#define yypact_value_is_default(Yystate) \
    (!(Yystate) == (-35))

#define YYTABLE_NINF -1

#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[] =
{
    12, 9, 10, 11, 13, 22, -2, -35, 16, -35,
    -35, 15, -35, 14, 12, -35, -35, -4, -35, -35,
    -35, -35, 17, -35, -12, -4, -35, -4, 18, -4,

```



```

-35, -35, -35, 19, -4, 18, 20, -6, -35, -35,
-35, -35, -35, 21, -6, -35, -6, -35, -6
};

/* YYDEFAC[T][STATE-NU[M]] -- Default reduction number in state STATE-NU[M].
   Performed when YYTABLE does not specify something else to do. Zero
   means the default is an error. */
static const yytype_uint8 yydefact[] =
{
    9,  0,  0,  0,  0,  0,  0,  4,  0,  6,
    7,  0,  1,  0,  9,  5,  8, 13,  3, 22,
   20, 21,  2, 11,  0, 17, 19, 13, 15,  0,
   18, 10, 14,  0, 16, 15, 24,  0, 12, 31,
   29, 30, 32, 23, 26, 28,  0, 27, 25
};

/* YYPGOTO[NTERM-NU[M]]. */
static const yytype_int8 yypgoto[] =
{
   -35, -35, -35, 23, -35,  2, -1, -35,  4, -25,
   -35, -35, -15, -34
};

/* YYDEFGOTO[NTERM-NU[M]]. */
static const yytype_int8 yydefgoto[] =
{
   -1,  5,  6,  7, 22, 23, 33, 24, 25, 26,
   38, 43, 44, 45
};

/* YYTABLE[YYPACT[STATE-NU[M]]] -- What to do in state STATE-NU[M]. If
   positive, shift that token. If negative, reduce the rule whose
   number is the opposite. If YYTABLE_NINF, syntax error. */
static const yytype_uint8 yytable[] =
{
   30, 39, 28, 29, 40, 41, 19, 13, 42, 30,
   47, 14, 20, 21, 47,  1,  2,  3,  4,  8,
    9, 10, 12, 11, 15, 16, 35, 17, 32, 31,
   27, 48, 37, 34, 36,  0, 46, 18
};

static const yytype_int8 yycheck[] =
{
   25,  7, 14, 15, 10, 11, 10,  9, 14, 34,
   44, 13, 16, 17, 48,  3,  4,  5,  6, 10,
   10, 10,  0, 10,  8, 10,  7, 13, 10, 27,
   13, 46, 12, 29, 35, -1, 15, 14
};

```

```

/* YYSTOS[STATE-NUM] -- The (internal number of the) accessing
symbol of state STATE-NUM. */
static const yytype_uint8 yystos[] =
{
    0,  3,  4,  5,  6, 19, 20, 21, 10, 10,
    10, 10,  0,  9, 13,  8, 10, 13, 21, 10,
    16, 17, 22, 23, 25, 26, 27, 13, 14, 15,
    27, 23, 10, 24, 26,  7, 24, 12, 28,  7,
    10, 11, 14, 29, 30, 31, 15, 31, 30
};

/* YYR1[YYN] -- Symbol number of symbol that rule YYN derives. */
static const yytype_uint8 yyr1[] =
{
    0, 18, 19, 20, 20, 21, 21, 21, 21, 21,
    22, 22, 23, 23, 24, 24, 25, 25, 26, 26,
    27, 27, 27, 28, 28, 29, 29, 30, 30, 31,
    31, 31, 31
};

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

#define yyerrok      (yyerrstatus = 0)
#define yyclearin   (yychar = YYEMPTY)
#define YYEMPTY     (-2)
#define YYEOF       0

#define YYACCEPT    goto yyacceptlab
#define YYABORT     goto yyabortlab
#define YYERROR     goto yyerrorlab

#define YYRECOVERING() (!yyerrstatus)

#define YYBACKUP(Token, Value)      \
do                                  \
if (yychar == YYEMPTY)              \
{                                    \
    yychar = (Token);                \
}

```

```

    yyival = (Value);
    YYPOPSTACK (yylen);
    yystate = *yyssp;
    goto yybackup;
}
else
{
    yyerror (YY_("syntax error: cannot back up")); \
    YYERROR;
}
while (0)

/* Error token number */
#define YYTERROR 1
#define YYERRCODE 256

/* 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)

/* This macro is provided for backward compatibility. */
# ifndef YY_LOCATION_PRINT
# 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); \
        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)
{
    FILE *yyo = yyoutput;
    YYUSE (yyo);
    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)
{
    YYFPRINTF (yyoutput, "%s %s (",
                yytype < YYNTOKENS ? "token" : "nterm", yyname[yytype]);

    yy_symbol_value_print (yyoutput, yytype, yyvaluep);
    YYFPRINTF (yyoutput, ")");
}

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

static void
yy_stack_print (yytype_int16 *yybottom, yytype_int16 *yytop)
{
    YYFPRINTF (stderr, "Stack now");
    for (; yybottom <= yytop; yybottom++)
    {
        int yybot = *yybottom;
        YYFPRINTF (stderr, " %d", yybot);
    }
}

```

```

    }
    YYFPRINTF (stderr, "\n");
}

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

/*-----
| Report that the YRULE is going to be reduced. |
`-----*/

static void
yy_reduce_print (yytype_int16 *yyssp, YYSTYPE *yyvsp, int yyrule)
{
    unsigned long int yylno = yrline[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);
        yy_symbol_print (stderr,
            yystos[yyssp[yyi + 1 - yynrhs]],
            &(yyvsp[(yyi + 1) - (yynrhs)]));
        YYFPRINTF (stderr, "\n");
    }
}

#define YY_REDUCE_PRINT(Rule) \
do { \
    if (yydebug) \
        yy_reduce_print (yyssp, yyvsp, Rule); \
} while (0)

/* Nonzero means print parse trace. It is left uninitialized so that
multiple parsers can coexist. */
int yydebug;
#else /* !YYDEBUG */
#define YYDPRINTF(Args)
#define YY_SYMBOL_PRINT(Title, Type, Value, Location)
#define YY_STACK_PRINT(Bottom, Top)

```

```

# define YY_REDUCE_PRINT(Rule)
#endif /* !YYDEBUG */

/* YYINITDEPTH -- initial size of the parser's stacks. */
#ifndef YYINITDEPTH
# define YYINITDEPTH 200
#endif

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

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

#ifndef YYMAXDEPTH
# define YYMAXDEPTH 10000
#endif

#if YYERROR_VERBOSE

# ifndef yystrlen
#  if defined __GLIBC__ && defined _STRING_H
#   define yystrlen strlen
#  else
/* Return the length of YYSTR. */
static YYSIZE_T
yystrlen (const char *yystr)
{
  YYSIZE_T yylen;
  for (yylen = 0; yystr[yylen]; yylen++)
    continue;
  return yylen;
}
#  endif
# endif

# ifndef yystpcpy
#  if defined __GLIBC__ && defined _STRING_H && defined _GNU_SOURCE
#   define yystpcpy stpcpy
#  else
/* Copy YYSRC to YYDEST, returning the address of the terminating '\0' in
YYDEST. */
static char *
yystpcpy (char *yydest, const char *yysrc)
{

```

```

char *yyd = yydest;
const char *yys = yysrc;

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

return yyd - 1;
}
# endif
# endif

# ifndef yytnamerr
/* Copy to YYRES the contents of YYSTR after stripping away unnecessary
quotes and backslashes, so that it's suitable for yyerror. The
heuristic is that double-quoting is unnecessary unless the string
contains an apostrophe, a comma, or backslash (other than
backslash-backslash). YYSTR is taken from 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)
                        yyres[yyn] = *yyp;
                    yyn++;
                    break;

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

```

```

    }
    do_not_strip_quotes: ;
}

if (! yyres)
    return yystrlen (yystr);

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

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

```

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

```

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

```

/\* There are many possibilities here to consider:

- If this state is a consistent state with a default action, then the only way this function was invoked is if the default action is an error action. In that case, don't check for expected tokens because there are none.
- The only way there can be no lookahead present (in yychar) is if this state is a consistent state with a default action. Thus, detecting the absence of a lookahead is sufficient to determine that there is no unexpected or expected token to report. In that case, just report a simple "syntax error".
- Don't assume there isn't a lookahead just because this state is a consistent state with a default action. There might have been a previous inconsistent state, consistent state with a non-default action, or user semantic action that manipulated yychar.



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

```

*/
if (yytoken != YYEMPTY)
{
    int yyn = yypact[*yyssp];
    yyarg[yycount++] = 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;
                    yysize = yysize1;
                }
            }
    }
}

switch (yycount)
{

```

```

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

{
    YYSIZE_T yysize1 = yysize + yystrlen (yyformat);
    if (! (yysize <= yysize1 && yysize1 <= YYSTACK_ALLOC_MAXIMUM))
        return 2;
    yysize = yysize1;
}

if (*yymsg_alloc < yysize)
{
    *yymsg_alloc = 2 * yysize;
    if (! (yysize <= *yymsg_alloc
           && *yymsg_alloc <= YYSTACK_ALLOC_MAXIMUM))
        *yymsg_alloc = YYSTACK_ALLOC_MAXIMUM;
    return 1;
}

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

```

```

}
#endif /* YYERROR_VERBOSE */

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

static void
yydestruct (const char *yymsg, int yytype, YYSTYPE *yyvaluep)
{
  YYUSE (yyvaluep);
  if (!yymsg)
    yymsg = "Deleting";
  YY_SYMBOL_PRINT (yymsg, yytype, yyvaluep, yylocationp);

  YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
  YYUSE (yytype);
  YY_IGNORE_MAYBE_UNINITIALIZED_END
}

/* The lookahead symbol. */
int yychar;

/* The semantic value of the lookahead symbol. */
YYSTYPE yylval;
/* Number of syntax errors so far. */
int yynerrs;

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

int
yyparse (void)
{
  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.

   Refer to the stacks through separate pointers, to allow yyoverflow

```

```

to reallocate them elsewhere. */

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

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

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;

#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))

/* The number of symbols on the RHS of the reduced rule.
   Keep to zero when no symbol should be popped. */
int yynlen = 0;

yyssp = yyss = yyssa;
yyvsp = yyvs = yyvsa;
yystacksize = YYINITDEPTH;

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

yystate = 0;
yyerrstatus = 0;
yynerrs = 0;
yychar = YYEMPTY; /* Cause a token to be read. */
goto yysetstate;

/*-----

```

```

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

yysetstate:
*yyssp = yystate;

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

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

/* 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),
            &yystacksize);

yyss = yyss1;
yyvs = yyvs1;
}
#else /* no yyoverflow */
# ifdef YYSTACK_RELOCATE
goto yyexhaustedlab;
# else
/* Extend the stack our own way. */
if (YYMAXDEPTH <= yystacksize)
goto yyexhaustedlab;
yystacksize *= 2;
if (YYMAXDEPTH < yystacksize)
yystacksize = YYMAXDEPTH;

{
yytype_int16 *yyss1 = yyss;

```

```

union yyalloc *yyptr =
    (union yyalloc *) YYSTACK_ALLOC (YYSTACK_BYTES (yystacksize));
if (! yyptr)
    goto yyexhaustedlab;
YYSTACK_RELOCATE (yyss_alloc, yyss);
YYSTACK_RELOCATE (yyvs_alloc, yyvs);
# undef YYSTACK_RELOCATE
if (yyss1 != yyssa)
    YYSTACK_FREE (yyss1);
}
# endif
#endif /* no yyoverflow */

yyssp = yyss + yysize - 1;
yyvsp = yyvs + 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 ();
}

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, &yyval, &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, &yyval, &yylloc);

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

yystate = yyn;
YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
*++yyvsp = yyval;
YY_IGNORE_MAYBE_UNINITIALIZED_END

goto yynewstate;

```

```

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

/*-----
| yyreduce -- Do a reduction. |
\-----*/
yyreduce:
  /* yyn is the number of a rule to reduce with. */
  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];

  YY_REDUCE_PRINT (yyn);
  switch (yyn)
  {
    case 2:
#line 248 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
      if (error_message_count != 0)
        error (EXIT_FAILURE, 0,
              "terminated due to previous error");

      instrtable_out ();
    }
#line 1486 "i386_parse.c" /* yacc.c:1646 */
    break;

    case 5:
#line 262 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    { new_bitfield ((yyvsp[-1].str), (yyvsp[0].num)); }
#line 1492 "i386_parse.c" /* yacc.c:1646 */
    break;

```



```

case 6:
#line 264 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    { new_bitfield ((yyvsp[0].str), -1); }
#line 1498 "i386_parse.c" /* yacc.c:1646 */
    break;

case 7:
#line 266 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    { new_bitfield ((yyvsp[0].str), -2); }
#line 1504 "i386_parse.c" /* yacc.c:1646 */
    break;

case 8:
#line 268 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        struct synonym *newp = xmalloc (sizeof (*newp));
        newp->from = (yyvsp[-1].str);
        newp->to = (yyvsp[0].str);
        if (tfind (newp, &synonyms, compare_syn) != NULL)
error (0, 0,
        "%d: duplicate definition for synonym '%s'",
        i386_lineno, (yyvsp[-1].str));
        else if (tsearch ( newp, &synonyms, compare_syn) == NULL)
error (EXIT_FAILURE, 0, "tsearch");
    }
#line 1520 "i386_parse.c" /* yacc.c:1646 */
    break;

case 12:
#line 287 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        if ((yyvsp[-3].field) != NULL && strcmp ((yyvsp[-3].field)->name, "RE") != 0
&& strcmp ((yyvsp[-3].field)->name, "R") != 0)
        {
            error (0, 0, "%d: only 'R' and 'RE' prefix allowed",
i386_lineno - 1);
        }
        if (check_duplicates ((yyvsp[-5].bit)) == 0
&& check_argstdef ((yyvsp[-5].bit), (yyvsp[0].arg)) == 0
&& check_bitsused ((yyvsp[-5].bit), (yyvsp[-1].field), (yyvsp[0].arg)) == 0)
        {
            struct instruction *newp = xmalloc (sizeof (*newp),
1);
            if ((yyvsp[-3].field) != NULL)
            {
                if (strcmp ((yyvsp[-3].field)->name, "RE") == 0)
newp->repe = 1;

```

```

    else if (strcmp ((yyvsp[-3].field)->name, "R") == 0)
newp->rep = 1;
    }

newp->bytes = (yyvsp[-5].bit);
newp->mnemonic = (yyvsp[-2].str);
if (newp->mnemonic != (void *) -1)
    && tfind ((yyvsp[-2].str), &mnemonics,
(comparison_fn_t) strcmp) == NULL)
    {
        if (tsearch ((yyvsp[-2].str), &mnemonics,
        (comparison_fn_t) strcmp) == NULL)
error (EXIT_FAILURE, errno, "tsearch");
        ++nmnemonics;
    }

if ((yyvsp[-1].field) != NULL)
    {
        if (strcmp ((yyvsp[-1].field)->name, "w") == 0)
newp->suffix = suffix_w;
        else if (strcmp ((yyvsp[-1].field)->name, "w0") == 0)
newp->suffix = suffix_w0;
        else if (strcmp ((yyvsp[-1].field)->name, "ttn") == 0)
newp->suffix = suffix_ttn;
        else if (strcmp ((yyvsp[-1].field)->name, "w1") == 0)
newp->suffix = suffix_w1;
        else if (strcmp ((yyvsp[-1].field)->name, "W") == 0)
newp->suffix = suffix_W;
        else if (strcmp ((yyvsp[-1].field)->name, "W1") == 0)
newp->suffix = suffix_W1;
        else if (strcmp ((yyvsp[-1].field)->name, "D") == 0)
newp->suffix = suffix_D;
        else
error (EXIT_FAILURE, 0,
"%s: %d: unknown suffix '%s'",
infname, i386_lineno - 1, (yyvsp[-1].field)->name);

        struct suffix search = { .name = (yyvsp[-1].field)->name };
        if (tfind (&search, &suffixes, compare_suf)
== NULL)
    {
        struct suffix *ns = xmalloc (sizeof (*ns));
        ns->name = (yyvsp[-1].field)->name;
        ns->idx = ++nsuffixes;
        if (tsearch (ns, &suffixes, compare_suf)
== NULL)
            error (EXIT_FAILURE, errno, "tsearch");
    }
    }

```

```

    }

    struct argument *args = (yyvsp[0].arg);
    int n = 0;
    while (args != NULL)
    {
        fillin_arg ((yyvsp[-5].bit), args->name, newp, n);

        args = args->next;
        ++n;
    }

    newp->next = instructions;
    instructions = newp;
    ++ninstructions;
}
}
#line 1607 "i386_parse.c" /* yacc.c:1646 */
    break;

case 14:
#line 373 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        struct known_bitfield search;
        search.name = (yyvsp[0].str);
        struct known_bitfield **res;
        res = tfind (&search, &bitfields, bitfield_compare);
        if (res == NULL)
        {
            error (0, 0, "%d: unknown bitfield '%s'",
                i386_lineno, search.name);
            (yyval.field) = NULL;
        }
        else
            (yyval.field) = *res;
    }
#line 1626 "i386_parse.c" /* yacc.c:1646 */
    break;

case 15:
#line 388 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    { (yyval.field) = NULL; }
#line 1632 "i386_parse.c" /* yacc.c:1646 */
    break;

case 16:
#line 392 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {

```

```

    check_bits ((yyvsp[0].bit));

    struct bitvalue *runp = (yyvsp[-2].bit);
    while (runp->next != NULL)
runp = runp->next;
    runp->next = (yyvsp[0].bit);
    (yyval.bit) = (yyvsp[-2].bit);
}
#line 1646 "i386_parse.c" /* yacc.c:1646 */
    break;

case 17:
#line 402 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        check_bits ((yyvsp[0].bit));
        (yyval.bit) = (yyvsp[0].bit);
    }
#line 1655 "i386_parse.c" /* yacc.c:1646 */
    break;

case 18:
#line 409 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        struct bitvalue *runp = (yyvsp[-1].bit);
        while (runp->next != NULL)
runp = runp->next;
        runp->next = (yyvsp[0].bit);
        (yyval.bit) = (yyvsp[-1].bit);
    }
#line 1667 "i386_parse.c" /* yacc.c:1646 */
    break;

case 19:
#line 417 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    { (yyval.bit) = (yyvsp[0].bit); }
#line 1673 "i386_parse.c" /* yacc.c:1646 */
    break;

case 20:
#line 421 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        (yyval.bit) = xmalloc (sizeof (struct bitvalue));
        (yyval.bit)->type = zeroone;
        (yyval.bit)->value = 0;
        (yyval.bit)->next = NULL;
    }
#line 1684 "i386_parse.c" /* yacc.c:1646 */
    break;

```

```

case 21:
#line 428 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{
    (yyval.bit) = xmalloc (sizeof (struct bitvalue));
    (yyval.bit)->type = zeroone;
    (yyval.bit)->value = 1;
    (yyval.bit)->next = NULL;
}
#line 1695 "i386_parse.c" /* yacc.c:1646 */
    break;

case 22:
#line 435 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{
    (yyval.bit) = xmalloc (sizeof (struct bitvalue));
    struct known_bitfield search;
    search.name = (yyvsp[0].str);
    struct known_bitfield **res;
    res = tfind (&search, &bitfields, bitfield_compare);
    if (res == NULL)
    {
        error (0, 0, "%d: unknown bitfield '%s'",
            i386_lineno, search.name);
        (yyval.bit)->type = failure;
    }
    else
    {
        (yyval.bit)->type = field;
        (yyval.bit)->field = *res;
    }
    (yyval.bit)->next = NULL;
}
#line 1719 "i386_parse.c" /* yacc.c:1646 */
    break;

case 23:
#line 457 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{ (yyval.arg) = (yyvsp[0].arg); }
#line 1725 "i386_parse.c" /* yacc.c:1646 */
    break;

case 24:
#line 459 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{ (yyval.arg) = NULL; }
#line 1731 "i386_parse.c" /* yacc.c:1646 */
    break;

```

```

case 25:
#line 463 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{
    struct argument *runp = (yyvsp[-2].arg);
    while (runp->next != NULL)
runp = runp->next;
    runp->next = xmalloc (sizeof (struct argument));
    runp->next->name = combine ((yyvsp[0].name));
    runp->next->next = NULL;
    (yyval.arg) = (yyvsp[-2].arg);
}
#line 1745 "i386_parse.c" /* yacc.c:1646 */
break;

```

```

case 26:
#line 473 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{
    (yyval.arg) = xmalloc (sizeof (struct argument));
    (yyval.arg)->name = combine ((yyvsp[0].name));
    (yyval.arg)->next = NULL;
}
#line 1755 "i386_parse.c" /* yacc.c:1646 */
break;

```

```

case 27:
#line 481 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{
    struct argname *runp = (yyvsp[-1].name);
    while (runp->next != NULL)
runp = runp->next;
    runp->next = (yyvsp[0].name);
    (yyval.name) = (yyvsp[-1].name);
}
#line 1767 "i386_parse.c" /* yacc.c:1646 */
break;

```

```

case 28:
#line 489 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{ (yyval.name) = (yyvsp[0].name); }
#line 1773 "i386_parse.c" /* yacc.c:1646 */
break;

```

```

case 29:
#line 492 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
{
    (yyval.name) = xmalloc (sizeof (struct argname));
    (yyval.name)->type = nfield;
    (yyval.name)->next = NULL;
}

```

```

    struct known_bitfield search;
    search.name = (yyvsp[0].str);
    struct known_bitfield **res;
    res = tfind (&search, &bitfields, bitfield_compare);
    if (res == NULL)
    {
    if (strcmp ((yyvsp[0].str), "ax") == 0)
        (yyval.name)->field = &ax_reg;
    else if (strcmp ((yyvsp[0].str), "dx") == 0)
        (yyval.name)->field = &dx_reg;
    else if (strcmp ((yyvsp[0].str), "es_di") == 0)
        (yyval.name)->field = &di_reg;
    else if (strcmp ((yyvsp[0].str), "ds_si") == 0)
        (yyval.name)->field = &si_reg;
    else if (strcmp ((yyvsp[0].str), "ds_bx") == 0)
        (yyval.name)->field = &bx_reg;
    else
        {
        error (0, 0, "%d: unknown bitfield '%s'",
            i386_lineno, search.name);
        (yyval.name)->field = NULL;
        }
    }
    else
    (yyval.name)->field = *res;
    }
#line 1809 "i386_parse.c" /* yacc.c:1646 */
    break;

case 30:
#line 524 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        (yyval.name) = xmalloc (sizeof (struct argname));
        (yyval.name)->type = string;
        (yyval.name)->next = NULL;
        (yyval.name)->str = xmalloc (2);
        (yyval.name)->str[0] = (yyvsp[0].ch);
        (yyval.name)->str[1] = '\0';
    }
#line 1822 "i386_parse.c" /* yacc.c:1646 */
    break;

case 31:
#line 533 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        (yyval.name) = xmalloc (sizeof (struct argname));
        (yyval.name)->type = string;

```

```

        (yyval.name)->next = NULL;
        (yyval.name)->str = (yyvsp[0].str);
    }
#line 1833 "i386_parse.c" /* yacc.c:1646 */
    break;

case 32:
#line 540 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1646 */
    {
        (yyval.name) = xmalloc (sizeof (struct argname));
        (yyval.name)->type = string;
        (yyval.name)->next = NULL;
        (yyval.name)->str = xmalloc (2);
        (yyval.name)->str[0] = ':';
        (yyval.name)->str[1] = '\0';
    }
#line 1846 "i386_parse.c" /* yacc.c:1646 */
    break;

#line 1850 "i386_parse.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;

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

yyn = yyr1[ yyn];

```



```

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

goto yynewstate;

/*-----
| yyerrlab -- here on detecting error. |
`-----*/
yyerrlab:
/* Make sure we have latest lookahead translation. See comments at
   user semantic actions for why this is necessary. */
yytoken = yychar == YYEMPTY ? YYEMPTY : YYTRANSLATE (yychar);

/* If not already recovering from an error, report this error. */
if (!yyerrstatus)
{
    ++yynerrs;
#ifdef YYERROR_VERBOSE
    yyerror (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;
        }
    }
#endif
}

```

```

    }
    yyerror (yymsgp);
    if (yysyntax_error_status == 2)
        goto yyexhaustedlab;
    }
# undef YYSYNTAX_ERROR
#endif
}

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, &yyval);
        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;

/* 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;

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

YY_IGNORE_MAYBE_UNINITIALIZED_BEGIN
*++yyvsp = yylval;
YY_IGNORE_MAYBE_UNINITIALIZED_END

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

yystate = yyn;

```

```

goto yynewstate;

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

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

#if !defined yyoverflow || YYERROR_VERBOSE
/*-----
| yyexhaustedlab -- memory exhaustion comes here. |
`-----*/
yyexhaustedlab:
yyerror (YY_("memory exhausted"));
yyresult = 2;
/* Fall through. */
#endif

yyreturn:
if (yychar != YYEMPTY)
{
/* Make sure we have latest lookahead translation. See comments at
user semantic actions for why this is necessary. */
yytoken = YYTRANSLATE (yychar);
yydestruct ("Cleanup: discarding lookahead",
yytoken, &yylval);
}
/* Do not reclaim the symbols of the rule whose action triggered
this YYABORT or YYACCEPT. */
YYPOPSTACK (yylen);
YY_STACK_PRINT (yyss, yyssp);
while (yyssp != yyss)
{
yydestruct ("Cleanup: popping",
yystos[*yyssp], yyvsp);
YYPOPSTACK (1);
}
#endif
if (yyss != yyssa)

```

```

    YYSTACK_FREE (yyss);
#endif
#if YYERROR_VERBOSE
    if (yymsg != yymsgbuf)
        YYSTACK_FREE (yymsg);
#endif
    return yyresult;
}
#line 550 "/home/mark/src/elfutils/libcpu/i386_parse.y" /* yacc.c:1906 */

```

```

static void
yyerror (const char *s)
{
    error (0, 0, gettext ("while reading i386 CPU description: %s at line %d"),
          gettext (s), i386_lineno);
}

```

```

static int
bitfield_compare (const void *p1, const void *p2)
{
    struct known_bitfield *f1 = (struct known_bitfield *) p1;
    struct known_bitfield *f2 = (struct known_bitfield *) p2;

    return strcmp (f1->name, f2->name);
}

```

```

static void
new_bitfield (char *name, unsigned long int num)
{
    struct known_bitfield *newp = xmalloc (sizeof (struct known_bitfield));
    newp->name = name;
    newp->bits = num;
    newp->tmp = 0;

    if (tfind (newp, &bitfields, bitfield_compare) != NULL)
    {
        error (0, 0, "%d: duplicated definition of bitfield '%s'",
              i386_lineno, name);
        free (name);
        return;
    }

```

```

    if (tsearch (newp, &bitfields, bitfield_compare) == NULL)
        error (EXIT_FAILURE, errno, "%d: cannot insert new bitfield '%s'",
              i386_lineno, name);

```

```

}

/* Check that the number of bits is a multiple of 8. */
static void
check_bits (struct bitvalue *val)
{
    struct bitvalue *runp = val;
    unsigned int total = 0;

    while (runp != NULL)
    {
        if (runp->type == zeroone)
            ++total;
        else if (runp->field == NULL)
            /* No sense doing anything, the field is not known. */
            return;
        else
            total += runp->field->bits;

        runp = runp->next;
    }

    if (total % 8 != 0)
    {
        struct obstack os;
        obstack_init (&os);

        while (val != NULL)
        {
            if (val->type == zeroone)
                obstack_printf (&os, "%u", val->value);
            else
                obstack_printf (&os, "{%s}", val->field->name);
            val = val->next;
        }
        obstack_1grow (&os, '\0');

        error (0, 0, "%d: field '%s' not a multiple of 8 bits in size",
              i386_lineno, (char *) obstack_finish (&os));

        obstack_free (&os, NULL);
    }
}

static int
check_duplicates (struct bitvalue *val)

```

```

{
static int testcnt;
++testcnt;

int result = 0;
while (val != NULL)
{
    if (val->type == field && val->field != NULL)
    {
        if (val->field->tmp == testcnt)
        {
            error (0, 0, "%d: bitfield '%s' used more than once",
i386_lineno - 1, val->field->name);
            result = 1;
        }
        val->field->tmp = testcnt;
    }

    val = val->next;
}

return result;
}

static int
check_argsdef (struct bitvalue *bitval, struct argument *args)
{
int result = 0;

while (args != NULL)
{
    for (struct argname *name = args->name; name != NULL; name = name->next)
if (name->type == nfield && name->field != NULL
    && name->field != &ax_reg && name->field != &dx_reg
    && name->field != &di_reg && name->field != &si_reg
    && name->field != &bx_reg)
    {
        struct bitvalue *runp = bitval;

        while (runp != NULL)
            if (runp->type == field && runp->field == name->field)
                break;
            else
                runp = runp->next;

        if (runp == NULL)
            {

```

```

error (0, 0, "%d: unknown bitfield '%s' used in output format",
      i386_lineno - 1, name->field->name);
result = 1;
    }
}

    args = args->next;
}

return result;
}

static int
check_bitsused (struct bitvalue *bitval, struct known_bitfield *suffix,
                struct argument *args)
{
    int result = 0;

    while (bitval != NULL)
    {
        if (bitval->type == field && bitval->field != NULL
            && bitval->field != suffix
            /* {w} is handled special. */
            && strcmp (bitval->field->name, "w") != 0)
        {
            struct argument *runp;
            for (runp = args; runp != NULL; runp = runp->next)
            {
                struct argname *name = runp->name;

                while (name != NULL)
                if (name->type == nfield && name->field == bitval->field)
                    break;
                else
                    name = name->next;

                if (name != NULL)
                    break;
            }
        }

        #if 0
        if (runp == NULL)
        {
            error (0, 0, "%d: bitfield '%s' not used",
                  i386_lineno - 1, bitval->field->name);
            result = 1;
        }
    }
}

```



```

#endif
}

    bitval = bitval->next;
}

return result;
}

static struct argname *
combine (struct argname *name)
{
    struct argname *last_str = NULL;
    for (struct argname *runp = name; runp != NULL; runp = runp->next)
    {
        if (runp->type == string)
        {
            if (last_str == NULL)
                last_str = runp;
            else
            {
                last_str->str = xrealloc (last_str->str,
                    strlen (last_str->str)
                    + strlen (runp->str) + 1);
                strcat (last_str->str, runp->str);
                last_str->next = runp->next;
            }
        }
        else
            last_str = NULL;
    }
    return name;
}

```

```

#define obstack_grow_str(ob, str) obstack_grow (ob, str, strlen (str))

```

```

static void
fillin_arg (struct bitvalue *bytes, struct argname *name,
    struct instruction *instr, int n)
{
    static struct obstack ob;
    static int initialized;
    if (! initialized)
    {
        initialized = 1;
    }
}

```

```

    obstack_init (&ob);
}

struct argname *runp = name;
int cnt = 0;
while (runp != NULL)
{
    /* We ignore strings in the function name. */
    if (runp->type == string)
    {
        if (instr->operands[n].str != NULL)
            error (EXIT_FAILURE, 0,
                "%d: cannot have more than one string parameter",
                i386_lineno - 1);

        instr->operands[n].str = runp->str;
    }
    else
    {
        assert (runp->type == nfield);

        /* Construct the function name. */
        if (cnt++ > 0)
            obstack_1grow (&ob, '$');

        if (runp->field == NULL)
            /* Add some string which contains invalid characters. */
            obstack_grow_str (&ob, "!!!INVALID!!!");
        else
        {
            char *fieldname = runp->field->name;

            struct synonym search = { .from = fieldname };

            struct synonym **res = tfind (&search, &synonyms, compare_syn);
            if (res != NULL)
                fieldname = (*res)->to;

            obstack_grow_str (&ob, fieldname);
        }

        /* Now compute the bit offset of the field. */
        struct bitvalue *b = bytes;
        int bitoff = 0;
        if (runp->field != NULL)
            while (b != NULL)
            {
                if (b->type == field && b->field != NULL)

```

```

    {
        if (strcmp (b->field->name, runp->field->name) == 0)
            break;
        bitoff += b->field->bits;
    }
else
    ++bitoff;

b = b->next;
    }
if (instr->operands[n].off1 == 0)
    instr->operands[n].off1 = bitoff;
else if (instr->operands[n].off2 == 0)
    instr->operands[n].off2 = bitoff;
else if (instr->operands[n].off3 == 0)
    instr->operands[n].off3 = bitoff;
else
    error (EXIT_FAILURE, 0,
        "%d: cannot have more than three fields in parameter",
        i386_lineno - 1);

if (runp->field != NULL
    && strcmp (runp->field->name, "mod", 3) == 0)
    instr->modrm = 1;
}

    runp = runp->next;
}
if (obstack_object_size (&ob) == 0)
    obstack_grow_str (&ob, "string");
obstack_1grow (&ob, '\0');
char *fct = obstack_finish (&ob);

instr->operands[n].fct = fct;
}

#ifdef 0
static void
nameout (const void *nodep, VISIT value, int level)
{
    if (value == leaf || value == postorder)
        printf (" %s\n", *(const char **) nodep);
}
#endif

static int

```

```

compare_argstring (const void *p1, const void *p2)
{
    const struct argstring *a1 = (const struct argstring *) p1;
    const struct argstring *a2 = (const struct argstring *) p2;

    return strcmp (a1->str, a2->str);
}

static int maxoff[3][3];
static int minoff[3][3] = { { 1000, 1000, 1000 },
    { 1000, 1000, 1000 },
    { 1000, 1000, 1000 } };
static int nbitoff[3][3];
static void *fct_names[3];
static int nbitfct[3];
static int nbitsuf;
static void *strs[3];
static int nbitstr[3];
static int total_bits = 2; // Already counted the rep/repe bits.

static void
find_numbers (void)
{
    int nfct_names[3] = { 0, 0, 0 };
    int nstrs[3] = { 0, 0, 0 };

    /* We reverse the order of the instruction list while processing it.
       Later phases need it in the order in which the input file has
       them. */
    struct instruction *reversed = NULL;

    struct instruction *runp = instructions;
    while (runp != NULL)
    {
        for (int i = 0; i < 3; ++i)
        if (runp->operands[i].fct != NULL)
        {
            struct argstring search = { .str = runp->operands[i].fct };
            if (tfind (&search, &fct_names[i], compare_argstring) == NULL)
            {
                struct argstring *newp = xmalloc (sizeof (*newp));
                newp->str = runp->operands[i].fct;
                newp->idx = 0;
                if (tsearch (newp, &fct_names[i], compare_argstring) == NULL)
                    error (EXIT_FAILURE, errno, "tsearch");
                ++nfct_names[i];
            }
        }
    }
}

```

```

if (runp->operands[i].str != NULL)
{
search.str = runp->operands[i].str;
if (tfind (&search, &strs[i], compare_argstring) == NULL)
{
struct argstring *newp = xmalloc (sizeof (*newp));
newp->str = runp->operands[i].str;
newp->idx = 0;
if (tsearch (newp, &strs[i], compare_argstring) == NULL)
error (EXIT_FAILURE, errno, "tsearch");
++nstrs[i];
}
}

maxoff[i][0] = MAX (maxoff[i][0], runp->operands[i].off1);
maxoff[i][1] = MAX (maxoff[i][1], runp->operands[i].off2);
maxoff[i][2] = MAX (maxoff[i][2], runp->operands[i].off3);

if (runp->operands[i].off1 > 0)
minoff[i][0] = MIN (minoff[i][0], runp->operands[i].off1);
if (runp->operands[i].off2 > 0)
minoff[i][1] = MIN (minoff[i][1], runp->operands[i].off2);
if (runp->operands[i].off3 > 0)
minoff[i][2] = MIN (minoff[i][2], runp->operands[i].off3);
}

struct instruction *old = runp;
runp = runp->next;

old->next = reversed;
reversed = old;
}
instructions = reversed;

int d;
int c;
for (int i = 0; i < 3; ++i)
{
// printf ("min1 = %d, min2 = %d, min3 = %d\n", minoff[i][0], minoff[i][1], minoff[i][2]);
// printf ("max1 = %d, max2 = %d, max3 = %d\n", maxoff[i][0], maxoff[i][1], maxoff[i][2]);

if (minoff[i][0] == 1000)
nbitoff[i][0] = 0;
else
{
nbitoff[i][0] = 1;
d = maxoff[i][0] - minoff[i][0];
}
}

```

```

c = 1;
while (c < d)
{
    ++nbitoff[i][0];
    c *= 2;
}
total_bits += nbitoff[i][0];
}

    if (minoff[i][1] == 1000)
nbitoff[i][1] = 0;
    else
{
    nbitoff[i][1] = 1;
    d = maxoff[i][1] - minoff[i][1];
    c = 1;
    while (c < d)
    {
        ++nbitoff[i][1];
        c *= 2;
    }
    total_bits += nbitoff[i][1];
}

    if (minoff[i][2] == 1000)
nbitoff[i][2] = 0;
    else
{
    nbitoff[i][2] = 1;
    d = maxoff[i][2] - minoff[i][2];
    c = 1;
    while (c < d)
    {
        ++nbitoff[i][2];
        c *= 2;
    }
    total_bits += nbitoff[i][2];
}

// printf ("off1 = %d, off2 = %d, off3 = %d\n", nbitoff[i][0], nbitoff[i][1], nbitoff[i][2]);

nbitfct[i] = 1;
d = nfct_names[i];
c = 1;
while (c < d)
{
    ++nbitfct[i];
    c *= 2;
}

```

```

total_bits += nbitfct[i];
// printf ("%d fct[%d], %d bits\n", nfcct_names[i], i, nbitfct[i]);

if (nstrs[i] != 0)
{
nbitstr[i] = 1;
d = nstrs[i];
c = 1;
while (c < d)
{
++nbitstr[i];
c *= 2;
}
total_bits += nbitstr[i];
}

// twalk (fct_names[i], nameout);
}

nbitsuf = 0;
d = nsuffixes;
c = 1;
while (c < d)
{
++nbitsuf;
c *= 2;
}
total_bits += nbitsuf;
// printf ("%d suffixes, %d bits\n", nsuffixes, nbitsuf);
}

static int
compare_syn (const void *p1, const void *p2)
{
const struct synonym *s1 = (const struct synonym *) p1;
const struct synonym *s2 = (const struct synonym *) p2;

return strcmp (s1->from, s2->from);
}

static int
compare_suf (const void *p1, const void *p2)
{
const struct suffix *s1 = (const struct suffix *) p1;
const struct suffix *s2 = (const struct suffix *) p2;

```

```

return strcmp (s1->name, s2->name);
}

static int count_op_str;
static int off_op_str;
static void
print_op_str (const void *nodep, VISIT value,
              int level __attribute__ ((unused)))
{
    if (value == leaf || value == postorder)
    {
        const char *str = (*(struct argstring **) nodep)->str;
        fprintf (outfile, "%s\n \\"%s",
                count_op_str == 0 ? "" : "\\0\\\"", str);
        (*(struct argstring **) nodep)->idx = ++count_op_str;
        (*(struct argstring **) nodep)->off = off_op_str;
        off_op_str += strlen (str) + 1;
    }
}

static void
print_op_str_idx (const void *nodep, VISIT value,
                  int level __attribute__ ((unused)))
{
    if (value == leaf || value == postorder)
        printf (" %d,\n", (*(struct argstring **) nodep)->off);
}

static void
print_op_fct (const void *nodep, VISIT value,
              int level __attribute__ ((unused)))
{
    if (value == leaf || value == postorder)
    {
        fprintf (outfile, " FCT_%s,\n", (*(struct argstring **) nodep)->str);
        (*(struct argstring **) nodep)->idx = ++count_op_str;
    }
}

#if NMNES < 2
# error "bogus NMNES value"
#endif

static void

```



```

instrtable_out (void)
{
    find_numbers ();

    #if 0
    create_mnemonic_table ();

    fprintf (outfile, "#define MNEMONIC_BITS %zu\n", best_mnemonic_bits);
    #else
    fprintf (outfile, "#define MNEMONIC_BITS %ld\n",
        lrint (ceil (log2 (NMNES))));
    #endif
    fprintf (outfile, "#define SUFFIX_BITS %d\n", nbtsuf);
    for (int i = 0; i < 3; ++i)
    {
        fprintf (outfile, "#define FCT%d_BITS %d\n", i + 1, nbitfct[i]);
        if (nbitstr[i] != 0)
            fprintf (outfile, "#define STR%d_BITS %d\n", i + 1, nbitstr[i]);
        fprintf (outfile, "#define OFF%d_1_BITS %d\n", i + 1, nbitoff[i][0]);
        fprintf (outfile, "#define OFF%d_1_BIAS %d\n", i + 1, minoff[i][0]);
        if (nbitoff[i][1] != 0)
        {
            fprintf (outfile, "#define OFF%d_2_BITS %d\n", i + 1, nbitoff[i][1]);
            fprintf (outfile, "#define OFF%d_2_BIAS %d\n", i + 1, minoff[i][1]);
        }
        if (nbitoff[i][2] != 0)
        {
            fprintf (outfile, "#define OFF%d_3_BITS %d\n", i + 1, nbitoff[i][2]);
            fprintf (outfile, "#define OFF%d_3_BIAS %d\n", i + 1, minoff[i][2]);
        }
    }

    fputs ("\n#include <i386_data.h>\n", outfile);

    #define APPEND(a, b) APPEND_ (a, b)
    #define APPEND_(a, b) a##b
    #define EMIT_SUFFIX(suf) \
    fprintf (outfile, "#define suffix_%s %d\n", #suf, APPEND (suffix_, suf))
    EMIT_SUFFIX (none);
    EMIT_SUFFIX (w);
    EMIT_SUFFIX (w0);
    EMIT_SUFFIX (W);
    EMIT_SUFFIX (ttn);
    EMIT_SUFFIX (D);
    EMIT_SUFFIX (w1);
    EMIT_SUFFIX (W1);

```

```

fputc_unlocked ('\n', outfile);

for (int i = 0; i < 3; ++i)
{
    /* Functions. */
    count_op_str = 0;
    fprintf (outfile, "static const opfct_t op%d_fct[] =\n{\n NULL,\n",
        i + 1);
    twalk (fct_names[i], print_op_fct);
    fputs ("};\n", outfile);

    /* The operand strings. */
    if (nbitstr[i] != 0)
    {
        count_op_str = 0;
        off_op_str = 0;
        fprintf (outfile, "static const char op%d_str[] =", i + 1);
        twalk (strs[i], print_op_str);
        fputs ("\";\n", outfile);

        fprintf (outfile, "static const uint8_t op%d_str_idx[] = {\n",
            i + 1);
        twalk (strs[i], print_op_str_idx);
        fputs ("};\n", outfile);
    }
}

fputs ("static const struct instr_enc instrtab[] =\n{\n", outfile);
struct instruction *instr;
for (instr = instructions; instr != NULL; instr = instr->next)
{
    fputs (" {", outfile);
    if (instr->mnemonic == (void *) -1)
        fputs (" .mnemonic = MNE_INVALID,", outfile);
    else
        fprintf (outfile, " .mnemonic = MNE_%s,", instr->mnemonic);
    fprintf (outfile, " .rep = %d,", instr->rep);
    fprintf (outfile, " .repe = %d,", instr->repe);
    fprintf (outfile, " .suffix = %d,", instr->suffix);
    fprintf (outfile, " .modrm = %d,", instr->modrm);

    for (int i = 0; i < 3; ++i)
    {
        int idx = 0;
        if (instr->operands[i].fct != NULL)
        {
            struct argstring search = { .str = instr->operands[i].fct };

```

```

    struct argstring **res = tfind (&search, &fct_names[i],
        compare_argstring);
    assert (res != NULL);
    idx = (*res)->idx;
}
fprintf (outfile, ".fct%d = %d,", i + 1, idx);

idx = 0;
if (instr->operands[i].str != NULL)
{
    struct argstring search = { .str = instr->operands[i].str };
    struct argstring **res = tfind (&search, &strs[i],
        compare_argstring);
    assert (res != NULL);
    idx = (*res)->idx;
}
if (nbitstr[i] != 0)
    fprintf (outfile, ".str%d = %d,", i + 1, idx);

fprintf (outfile, ".off%d_1 = %d,", i + 1,
    MAX (0, instr->operands[i].off1 - minoff[i][0]));

if (nbitoff[i][1] != 0)
    fprintf (outfile, ".off%d_2 = %d,", i + 1,
        MAX (0, instr->operands[i].off2 - minoff[i][1]));

if (nbitoff[i][2] != 0)
    fprintf (outfile, ".off%d_3 = %d,", i + 1,
        MAX (0, instr->operands[i].off3 - minoff[i][2]));
}

    fputs (" },\n", outfile);
}
fputs ("};\n", outfile);

fputs ("static const uint8_t match_data[] =\n{\n", outfile);
size_t cnt = 0;
for (instr = instructions; instr != NULL; instr = instr->next, ++cnt)
{
    /* First count the number of bytes. */
    size_t totalbits = 0;
    size_t zerobits = 0;
    bool leading_p = true;
    size_t leadingbits = 0;
    struct bitvalue *b = instr->bytes;
    while (b != NULL)
    {
        if (b->type == zeroone)

```

```

    {
        ++totalbits;
        zerobits = 0;
        if (leading_p)
++leadingbits;
    }
else
    {
        totalbits += b->field->bits;
        /* We must always count the mod/rm byte. */
        if (strncasecmp (b->field->name, "mod", 3) == 0)
zerobits = 0;
        else
zerobits += b->field->bits;
        leading_p = false;
    }
b = b->next;
}

size_t nbytes = (totalbits - zerobits + 7) / 8;
assert (nbytes > 0);
size_t leadingbytes = leadingbits / 8;

fprintf (outfile, " %#zx,", nbytes | (leadingbytes << 4));

/* Now create the mask and byte values. */
uint8_t byte = 0;
uint8_t mask = 0;
int nbits = 0;
b = instr->bytes;
while (b != NULL)
{
    if (b->type == zeroone)
    {
        byte = (byte << 1) | b->value;
        mask = (mask << 1) | 1;
        if (++nbits == 8)
        {
            if (leadingbytes > 0)
            {
                assert (mask == 0xff);
                fprintf (outfile, " %#" PRIx8 ", ", byte);
                --leadingbytes;
            }
            else
                fprintf (outfile, " %#" PRIx8 ", %#" PRIx8 ", ",
                    mask, byte);
            byte = mask = nbits = 0;
            if (--nbytes == 0)

```

```

        break;
    }
}
else
{
    assert (leadingbytes == 0);

    unsigned long int remaining = b->field->bits;
    while (nbits + remaining > 8)
    {
        fprintf (outfile, " %#" PRIx8 " ", %#" PRIx8 " ",
            mask << (8 - nbits), byte << (8 - nbits));
        remaining = nbits + remaining - 8;
        byte = mask = nbits = 0;
        if (--nbytes == 0)
            break;
    }
    byte <<= remaining;
    mask <<= remaining;
    nbits += remaining;
    if (nbits == 8)
    {
        fprintf (outfile, " %#" PRIx8 " ", %#" PRIx8 " ", mask, byte);
        byte = mask = nbits = 0;
        if (--nbytes == 0)
            break;
    }
}
b = b->next;
}

    fputc_unlocked ('\n', outfile);
}
fputs ("};\n", outfile);
}

```

```

#if 0
static size_t mnemonic_maxlen;
static size_t mnemonic_minlen;
static size_t
which_chars (const char *str[], size_t nstr)
{
    char used_char[256];
    memset (used_char, '\0', sizeof (used_char));
    mnemonic_maxlen = 0;
    mnemonic_minlen = 10000;
    for (size_t cnt = 0; cnt < nstr; ++cnt)

```

```

{
    const unsigned char *cp = (const unsigned char *) str[cnt];
    mnemonic_maxlen = MAX (mnemonic_maxlen, strlen ((char *) cp));
    mnemonic_minlen = MIN (mnemonic_minlen, strlen ((char *) cp));
    do
        used_char[*cp++] = 1;
    while (*cp != '\0');
}
size_t nused_char = 0;
for (size_t cnt = 0; cnt < 256; ++cnt)
    if (used_char[cnt] != 0)
        ++nused_char;
return nused_char;
}

```

```

static const char **mnemonic_strs;
static size_t nmnemonic_strs;
static void
add_mnemonics (const void *nodep, VISIT value,
               int level __attribute__((unused)))
{
    if (value == leaf || value == postorder)
        mnemonic_strs[nmnemonic_strs++] = *(const char **) nodep;
}

```

```

struct charfreq
{
    char ch;
    int freq;
};
static struct charfreq pxfreq[256];
static struct charfreq sxfreq[256];

```

```

static int
compare_freq (const void *p1, const void *p2)
{
    const struct charfreq *c1 = (const struct charfreq *) p1;
    const struct charfreq *c2 = (const struct charfreq *) p2;

    if (c1->freq > c2->freq)
        return -1;
    if (c1->freq < c2->freq)
        return 1;
    return 0;
}

```

```

static size_t
compute_pfxfreq (const char *str[], size_t nstr)
{
    memset (pfxfreq, '\0', sizeof (pfxfreq));

    for (size_t i = 0; i < nstr; ++i)
        pfxfreq[i].ch = i;

    for (size_t i = 0; i < nstr; ++i)
        ++pfxfreq[*((const unsigned char *) str[i]).freq];

    qsort (pfxfreq, 256, sizeof (struct charfreq), compare_freq);

    size_t n = 0;
    while (n < 256 && pfxfreq[n].freq != 0)
        ++n;
    return n;
}

struct strnlen
{
    const char *str;
    size_t len;
};

static size_t
compute_sfxfreq (size_t nstr, struct strnlen *strnlen)
{
    memset (sfxfreq, '\0', sizeof (sfxfreq));

    for (size_t i = 0; i < nstr; ++i)
        sfxfreq[i].ch = i;

    for (size_t i = 0; i < nstr; ++i)
        ++sfxfreq[(((const unsigned char *) strchrnul (strnlen[i].str, '\0'))[-1]).freq];

    qsort (sfxfreq, 256, sizeof (struct charfreq), compare_freq);

    size_t n = 0;
    while (n < 256 && sfxfreq[n].freq != 0)
        ++n;
    return n;
}

```

```

static void
create_mnemonic_table (void)
{
    mnemonic_strs = xmalloc (nmnemonics * sizeof (char *));

    twalk (mnemonics, add_mnemonics);

    (void) which_chars (mnemonic_strs, nmnemonic_strs);

    size_t best_so_far = 100000000;
    char *best_prefix = NULL;
    char *best_suffix = NULL;
    char *best_table = NULL;
    size_t best_table_size = 0;
    size_t best_table_bits = 0;
    size_t best_prefix_bits = 0;

    /* We can precompute the prefix characters. */
    size_t npfx_char = compute_pfxfreq (mnemonic_strs, nmnemonic_strs);

    /* Compute best size for string representation including explicit NUL. */
    for (size_t pfxbits = 0; (1u << pfxbits) < 2 * npfx_char; ++pfxbits)
    {
        char prefix[1 << pfxbits];
        size_t i;
        for (i = 0; i < (1u << pfxbits) - 1; ++i)
            prefix[i] = pfxfreq[i].ch;
        prefix[i] = '\0';

        struct strsnlen strsnlen[nmnemonic_strs];

        for (i = 0; i < nmnemonic_strs; ++i)
        {
            if (strchr (prefix, *mnemonic_strs[i]) != NULL)
                strsnlen[i].str = mnemonic_strs[i] + 1;
            else
                strsnlen[i].str = mnemonic_strs[i];
            strsnlen[i].len = strlen (strsnlen[i].str);
        }

        /* With the prefixes gone, try to combine strings. */
        size_t nstrsnlen = 1;
        for (i = 1; i < nmnemonic_strs; ++i)
        {
            size_t j;
            for (j = 0; j < nstrsnlen; ++j)
                if (strsnlen[i].len > strsnlen[j].len
                    && strcmp (strsnlen[j].str,

```



```

    strsnlen[i].str + (strsnlen[i].len
        - strsnlen[j].len) == 0)
    {
strsnlen[j] = strsnlen[i];
break;
    }
    else if (strsnlen[i].len < strsnlen[j].len
        && strcmp (strsnlen[i].str,
strsnlen[j].str + (strsnlen[j].len
        - strsnlen[i].len) == 0)
        break;
;
if (j == nstrsnlen)
    strsnlen[nstrsnlen++] = strsnlen[i];
}

size_t nsfx_char = compute_sfxfreq (nstrsnlen, strsnlen);

for (size_t sfxbits = 0; (1u << sfxbits) < 2 * nsfx_char; ++sfxbits)
{
char suffix[1 << sfxbits];

for (i = 0; i < (1u << sfxbits) - 1; ++i)
    suffix[i] = sfxfreq[i].ch;
suffix[i] = '\0';

size_t newlen[nstrsnlen];

for (i = 0; i < nstrsnlen; ++i)
    if (strchr (suffix, strsnlen[i].str[strsnlen[i].len - 1]) != NULL)
        newlen[i] = strsnlen[i].len - 1;
    else
        newlen[i] = strsnlen[i].len;

char charused[256];
memset (charused, '\0', sizeof (charused));
size_t ncharused = 0;

const char *tablestr[nstrsnlen];
size_t ntablestr = 1;
tablestr[0] = strsnlen[0].str;
size_t table = newlen[0] + 1;
for (i = 1; i < nstrsnlen; ++i)
    {
        size_t j;
        for (j = 0; j < ntablestr; ++j)
            if (newlen[i] > newlen[j]
                && memcmp (tablestr[j],

```

```

        strsnlen[i].str + (newlen[i] - newlen[j]),
        newlen[j]) == 0)
    {
        table += newlen[i] - newlen[j];
        tablestr[j] = strsnlen[i].str;
        newlen[j] = newlen[i];
        break;
    }
else if (newlen[i] < newlen[j]
        && memcmp (strsnlen[i].str,
        tablestr[j] + (newlen[j] - newlen[i]),
        newlen[i]) == 0)
    break;

    if (j == ntablestr)
    {
        table += newlen[i] + 1;
        tablestr[ntablestr] = strsnlen[i].str;
        newlen[ntablestr] = newlen[i];

        ++ntablestr;
    }

    for (size_t x = 0; x < newlen[j]; ++x)
if (charused[(((const unsigned char *) tablestr[j])[x])++ == 0)
    ++ncharused;
    }

size_t ncharused_bits = 0;
i = 1;
while (i < ncharused)
    {
        i *= 2;
        ++ncharused_bits;
    }

size_t table_bits = 0;
i = 1;
while (i < table)
    {
        i *= 2;
        ++table_bits;
    }

size_t mnemonic_bits = table_bits + pfxbits + sfxbits;
size_t new_total = (((table + 7) / 8) * ncharused_bits + ncharused
    + (pfxbits == 0 ? 0 : (1 << pfxbits) - 1)
    + (sfxbits == 0 ? 0 : (1 << sfxbits) - 1)

```

```

    + (((total_bits + mnemonic_bits + 7) / 8)
    * ninstructions));

if (new_total < best_so_far)
{
    best_so_far = new_total;
    best_mnemonic_bits = mnemonic_bits;

    free (best_suffix);
    best_suffix = xstrdup (suffix);

    free (best_prefix);
    best_prefix = xstrdup (prefix);
    best_prefix_bits = pfxbits;

    best_table_size = table;
    best_table_bits = table_bits;
    char *cp = best_table = xrealloc (best_table, table);
    for (i = 0; i < ntablestr; ++i)
    {
        assert (cp + newlen[i] + 1 <= best_table + table);
        cp = memcpy (cp, tablestr[i], newlen[i]);
        *cp++ = '\0';
    }
    assert (cp == best_table + table);
}
}
}

fputs ("static const char mnemonic_table[] =\n\"", outfile);
for (size_t i = 0; i < best_table_size; ++i)
{
    if (((i + 1) % 60) == 0)
fputs ("\"\n\"", outfile);
    if (!isascii (best_table[i]) || !isprint (best_table[i]))
fprintf (outfile, "\\%03o", best_table[i]);
    else
fputc (best_table[i], outfile);
}
fputs ("\";\n\"", outfile);

if (best_prefix[0] != '\0')
fprintf (outfile,
    "static const char prefix[%zu] = \"%s\";\n"
    "#define PREFIXCHAR_BITS %zu\n",
    strlen (best_prefix), best_prefix, best_prefix_bits);
else
fputs ("#define NO_PREFIX\n", outfile);

```

```

if (best_suffix[0] != '\0')
    fprintf (outfile, "static const char suffix[%zu] = \"%s\";\n",
            strlen (best_suffix), best_suffix);
else
    fputs ("#define NO_SUFFIX\n", outfile);

for (size_t i = 0; i < nmnemonic_strs; ++i)
    {
        const char *mne = mnemonic_strs[i];

        size_t pfxval = 0;
        char *cp = strchr (best_prefix, *mne);
        if (cp != NULL)
            {
                pfxval = 1 + (cp - best_prefix);
                ++mne;
            }

        size_t l = strlen (mne);

        size_t sfxval = 0;
        cp = strchr (best_suffix, mne[l - 1]);
        if (cp != NULL)
            {
                sfxval = 1 + (cp - best_suffix);
                --l;
            }

        char *off = memmem (best_table, best_table_size, mne, l);
        while (off[l] != '\0')
            {
                off = memmem (off + 1, best_table_size, mne, l);
                assert (off != NULL);
            }

        fprintf (outfile, "#define MNE_%s %#zx\n",
                mnemonic_strs[i],
                (off - best_table)
                + ((pfxval + (sfxval << best_prefix_bits)) << best_table_bits));
    }
}
#endif

```

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## Preamble

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```
// Dependency for plugin was set in buildscript.gradle
```

```
subprojects {
  apply plugin: 'license' //nl.javadude.gradle.plugins.license.LicensePlugin
  license {
    header rootProject.file('codequality/HEADER')
    ext.year = Calendar.getInstance().get(Calendar.YEAR)
    skipExistingHeaders true
  }
}
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The snowball stemmers in  
`contrib/analyzers/common/src/java/net/sf/snowball`  
were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/snowball`  
were developed by Martin Porter and Richard Boulton.

The full snowball package is available from  
<http://snowball.tartarus.org/>

The KStem stemmer in  
`common/src/org/apache/lucene/analysis/en`  
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
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The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (`contrib/analyzers`) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt`,  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt`,  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (`common`) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:  
`contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`

contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
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contrib/analyzers/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (contrib/analyzers) includes BSD-licensed software developed by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

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```
bcFullControl,Lcom/amazonaws/services/s3/model/Permission;ReadWriteReadAcpWriteAcppermissionStringLjava/lang/String;
```

```
headerName$VALUES-
```

```
[Lcom/amazonaws/services/s3/model/Permission;values/()[Lcom/amazonaws/services/s3/model/Permission;CodeLineNumberTablevalueOf@(Ljava/lang/String;)Lcom/amazonaws/services/s3/model/Permission;LocalVariableTableName<init>:(Ljava/lang/String;ILjava/lang/String;Ljava/lang/String;)Vthis
```

```
Signature'(Ljava/lang/String;Ljava/lang/String;)V
```

```
getHeaderName(Ljava/lang/String;toStringparsePermission
```

```
permissionarr$len$i$str<clinit>()V>Ljava/lang/Enum<Lcom/amazonaws/services/s3/model/Permission;>;
```

```
SourceFilePermission.java*++de*com/amazonaws/services/s3/model/PermissionOf4g'()(-hijFULL_CONTROLx-
```

```
amz-grant-full-control45!"READx-amz-grant-read#"WRITEx-amz-grant-write$"READ_ACPx-amz-grant-read-
```

```
acp%" WRITE_ACPx-amz-grant-write-
```

```
acp&"java/lang/Enumclone()Ljava/lang/Object;5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;(Ljava/lang/
```



```

String;I)Vjava/lang/Stringequals(Ljava/lang/Object;)Z@1 @!"@#"@$"@%@"&"")(*+ ,-.
/ 01.5*/23(45.\*+*_-*/JKLM2 6"")(789:./*/S26";:./*/^26" <1.* L+=>+2:*
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ces/ec2/model/License;getLicenseId()Ljava/lang/String;setLicenseId(Ljava/lang/String;)V
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## 8.83 expect 1.20.2

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## 8.84 file-saver 1.3.3

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## 8.85 finagle-core\_2.10 6.14.0

## 8.86 finagle-http\_2.10 6.14.0

## 8.87 finagle-thrift\_2.10 6.14.0

## 8.88 fontconfig 2.11.94 :0ubuntu1.1

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This package was debianized by Colin Walters <walters@debian.org> on  
Sun, 13 Oct 2002 15:01:50 -0400

It was downloaded from <http://www.fontconfig.org/>

Upstream Author: Keith Packard

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## 8.89 fping 4.0

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- \* Improved main loop: David Schweikert <david@schweikert.ch>
- \* Debian Merge, TOS settings: Tobi Oetiker <tobi@oetiker.ch>
- \* Bugfixes, byte order & senseful seq.-numbers: Stephan Fuhrmann (stephan.fuhrmann AT 1und1.de)
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## 8.90 functools32 3.2.3.post2 :py2.7

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands



as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes

2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.2.3	3.2.2	2012	PSF	yes

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## 8.93 gch\_lib\_version 2.0.15

## 8.94 gch\_thrift\_ipc 2.0.15

## 8.95 gdb 7.4-2012.04-0ubuntu2.1

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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```
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Version 2, June 1991
```

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##### How to Apply These Terms to Your New Programs

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

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

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

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

This program is distributed in the hope that it will be useful,  
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GNU General Public License for more details.

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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.

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

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

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

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

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

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

This General Public License does not permit incorporating your program into  
proprietary programs. If your program is a subroutine library, you may  
consider it more useful to permit linking proprietary applications with the  
library. If this is what you want to do, use the GNU Library General  
Public License instead of this License.

```
#!/usr/bin/env python
```

```
"""copyright.py
```

This script updates most of the files that are not already handled  
by copyright.sh. It must be run from the gdb/ subdirectory of the  
GDB source tree.

```

"""

import datetime
import re
import os
import os.path

class Comment(object):
    """A class describing comment.

    ATTRIBUTES
    start: A string describing how comments are started.
    stop: A string describing how comments end. If None, then
        a comment ends at the end of the line.
    start2: Some files accept more than 1 kind of comment.
        For those that do, this is the alternative form.
        For now, it is assumed that if start2 is not None,
        then stop is None (thus no stop2 attribute).
    """
    def __init__(self, start, stop=None, start2=None, max_lines=30):
        """The "Copyright" keyword should be within MAX_LINES lines
        from the start of the file."""
        self.start = start
        self.stop = stop
        self.start2 = start2
        self.max_lines = max_lines

# The Comment object for Ada code (and GPR files).
ADA_COMMENT = Comment(start="--")

THIS_YEAR = str(datetime.date.today().year)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
EXCLUSION_LIST = (
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c", "gdbarch.c",
    "gdbarch.h", "fdl.texi", "gpl.texi", "gdbtk", "gdb.gdbtk", "osf-share",
    "aclocal.m4", "step-line.inp", "step-line.c",
)

# Files that are too different from the rest to be processed automatically.
BY_HAND = ['./sim/ppc/psim.texinfo']

# Files for which we know that they do not have a copyright header.
# Ideally, this list should be empty (but it may not be possible to
# add a copyright header in some of them).

```

```

NO_COPYRIGHT = (
# Configure files. We should fix those, one day.
"testsuite/gdb.cell/configure.ac", "testsuite/gdb.hp/configure.ac",
"testsuite/gdb.hp/gdb.aCC/configure.ac",
"testsuite/gdb.hp/gdb.base-hp/configure.ac",
"testsuite/gdb.hp/gdb.compat/configure.ac",
"testsuite/gdb.hp/gdb.defects/configure.ac",
"testsuite/gdb.hp/gdb.objdbg/configure.ac",
"testsuite/gdb.stabs/configure.ac",
"./sim/arm/configure.ac", "./sim/avr/configure.ac",
"./sim/common/configure.ac", "./sim/configure.ac",
"./sim/cr16/configure.ac", "./sim/cris/configure.ac",
"./sim/d10v/configure.ac", "./sim/erc32/configure.ac",
"./sim/frv/configure.ac", "./sim/h8300/configure.ac",
"./sim/igen/configure.ac", "./sim/iq2000/configure.ac",
"./sim/lm32/configure.ac", "./sim/m32r/configure.ac",
"./sim/m68hc11/configure.ac", "./sim/mcore/configure.ac",
"./sim/microblaze/configure.ac", "./sim/mips/configure.ac",
"./sim/mn10300/configure.ac", "./sim/moxie/configure.ac",
"./sim/ppc/configure.ac", "./sim/sh/configure.ac",
"./sim/sh64/configure.ac", "./sim/testsuite/configure.ac",
"./sim/testsuite/d10v-elf/configure.ac",
"./sim/testsuite/frv-elf/configure.ac",
"./sim/testsuite/m32r-elf/configure.ac",
"./sim/testsuite/mips64el-elf/configure.ac", "./sim/v850/configure.ac",
# Assembly files. It's not certain that we can add a copyright
# header in a way that works for all platforms supported by the
# testcase...
"testsuite/gdb.arch/pa-nullify.s", "testsuite/gdb.arch/pa64-nullify.s",
"testsuite/gdb.asm/asmsrc1.s", "testsuite/gdb.asm/asmsrc2.s",
"testsuite/gdb.disasm/am33.s", "testsuite/gdb.disasm/h8300s.s",
"testsuite/gdb.disasm/hppa.s", "testsuite/gdb.disasm/mn10200.s",
"testsuite/gdb.disasm/mn10300.s", "testsuite/gdb.disasm/sh3.s",
"testsuite/gdb.disasm/t01_mov.s", "testsuite/gdb.disasm/t02_mova.s",
"testsuite/gdb.disasm/t03_add.s", "testsuite/gdb.disasm/t04_sub.s",
"testsuite/gdb.disasm/t05_cmp.s", "testsuite/gdb.disasm/t06_ari2.s",
"testsuite/gdb.disasm/t07_ari3.s", "testsuite/gdb.disasm/t08_or.s",
"testsuite/gdb.disasm/t09_xor.s", "testsuite/gdb.disasm/t10_and.s",
"testsuite/gdb.disasm/t11_logs.s", "testsuite/gdb.disasm/t12_bit.s",
"testsuite/gdb.disasm/t13_otr.s", "testsuite/gdb.hp/gdb.base-hp/reg-pa64.s",
"testsuite/gdb.hp/gdb.base-hp/reg.s",
"./sim/testsuite/d10v-elf/exit47.s",
"./sim/testsuite/d10v-elf/hello.s",
"./sim/testsuite/d10v-elf/loop.s",
"./sim/testsuite/d10v-elf/t-ae-ld-d.s",
"./sim/testsuite/d10v-elf/t-ae-ld-i.s",
"./sim/testsuite/d10v-elf/t-ae-ld-id.s",
"./sim/testsuite/d10v-elf/t-ae-ld-im.s",

```



"/sim/testsuite/d10v-elf/t-ae-ld-ip.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-d.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-i.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-id.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-im.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-ip.s",  
"/sim/testsuite/d10v-elf/t-ae-st-d.s",  
"/sim/testsuite/d10v-elf/t-ae-st-i.s",  
"/sim/testsuite/d10v-elf/t-ae-st-id.s",  
"/sim/testsuite/d10v-elf/t-ae-st-im.s",  
"/sim/testsuite/d10v-elf/t-ae-st-ip.s",  
"/sim/testsuite/d10v-elf/t-ae-st-is.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-d.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-i.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-id.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-im.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-ip.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-is.s",  
"/sim/testsuite/d10v-elf/t-dbt.s",  
"/sim/testsuite/d10v-elf/t-ld-st.s",  
"/sim/testsuite/d10v-elf/t-mac.s",  
"/sim/testsuite/d10v-elf/t-mod-ld-pre.s",  
"/sim/testsuite/d10v-elf/t-msbu.s",  
"/sim/testsuite/d10v-elf/t-mulxu.s",  
"/sim/testsuite/d10v-elf/t-mvtac.s",  
"/sim/testsuite/d10v-elf/t-mvvc.s",  
"/sim/testsuite/d10v-elf/t-rac.s",  
"/sim/testsuite/d10v-elf/t-rachi.s",  
"/sim/testsuite/d10v-elf/t-rdt.s",  
"/sim/testsuite/d10v-elf/t-rep.s",  
"/sim/testsuite/d10v-elf/t-rie-xx.s",  
"/sim/testsuite/d10v-elf/t-rte.s",  
"/sim/testsuite/d10v-elf/t-sac.s",  
"/sim/testsuite/d10v-elf/t-sachi.s",  
"/sim/testsuite/d10v-elf/t-sadd.s",  
"/sim/testsuite/d10v-elf/t-slae.s",  
"/sim/testsuite/d10v-elf/t-sp.s",  
"/sim/testsuite/d10v-elf/t-sub.s",  
"/sim/testsuite/d10v-elf/t-sub2w.s",  
"/sim/testsuite/d10v-elf/t-subi.s",  
"/sim/testsuite/d10v-elf/t-trap.s",  
"/sim/testsuite/frv-elf/cache.s",  
"/sim/testsuite/frv-elf/exit47.s",  
"/sim/testsuite/frv-elf/grloop.s",  
"/sim/testsuite/frv-elf/hello.s",  
"/sim/testsuite/frv-elf/loop.s",  
"/sim/testsuite/m32r-elf/exit47.s",  
"/sim/testsuite/m32r-elf/hello.s",

"/sim/testsuite/m32r-elf/loop.s",  
"/sim/testsuite/sim/cris/hw/rv-n-cris/quit.s",  
"/sim/testsuite/sim/h8300/addb.s",  
"/sim/testsuite/sim/h8300/addl.s",  
"/sim/testsuite/sim/h8300/adds.s",  
"/sim/testsuite/sim/h8300/addw.s",  
"/sim/testsuite/sim/h8300/addx.s",  
"/sim/testsuite/sim/h8300/andb.s",  
"/sim/testsuite/sim/h8300/andl.s",  
"/sim/testsuite/sim/h8300/andw.s",  
"/sim/testsuite/sim/h8300/band.s",  
"/sim/testsuite/sim/h8300/bfld.s",  
"/sim/testsuite/sim/h8300/biand.s",  
"/sim/testsuite/sim/h8300/bra.s",  
"/sim/testsuite/sim/h8300/brabc.s",  
"/sim/testsuite/sim/h8300/bset.s",  
"/sim/testsuite/sim/h8300/cmpb.s",  
"/sim/testsuite/sim/h8300/cmpl.s",  
"/sim/testsuite/sim/h8300/cmpw.s",  
"/sim/testsuite/sim/h8300/daa.s",  
"/sim/testsuite/sim/h8300/das.s",  
"/sim/testsuite/sim/h8300/dec.s",  
"/sim/testsuite/sim/h8300/div.s",  
"/sim/testsuite/sim/h8300/extl.s",  
"/sim/testsuite/sim/h8300/extw.s",  
"/sim/testsuite/sim/h8300/inc.s",  
"/sim/testsuite/sim/h8300/jmp.s",  
"/sim/testsuite/sim/h8300/lcd.s",  
"/sim/testsuite/sim/h8300/lcdm.s",  
"/sim/testsuite/sim/h8300/mac.s",  
"/sim/testsuite/sim/h8300/mova.s",  
"/sim/testsuite/sim/h8300/movb.s",  
"/sim/testsuite/sim/h8300/movl.s",  
"/sim/testsuite/sim/h8300/movmd.s",  
"/sim/testsuite/sim/h8300/movsd.s",  
"/sim/testsuite/sim/h8300/movw.s",  
"/sim/testsuite/sim/h8300/mul.s",  
"/sim/testsuite/sim/h8300/neg.s",  
"/sim/testsuite/sim/h8300/nop.s",  
"/sim/testsuite/sim/h8300/not.s",  
"/sim/testsuite/sim/h8300/orb.s",  
"/sim/testsuite/sim/h8300/orl.s",  
"/sim/testsuite/sim/h8300/orw.s",  
"/sim/testsuite/sim/h8300/rotl.s",  
"/sim/testsuite/sim/h8300/rotr.s",  
"/sim/testsuite/sim/h8300/rotxl.s",  
"/sim/testsuite/sim/h8300/rotxr.s",  
"/sim/testsuite/sim/h8300/shal.s",

"/sim/testsuite/sim/h8300/shar.s",  
"/sim/testsuite/sim/h8300/shll.s",  
"/sim/testsuite/sim/h8300/shlr.s",  
"/sim/testsuite/sim/h8300/stack.s",  
"/sim/testsuite/sim/h8300/stc.s",  
"/sim/testsuite/sim/h8300/subb.s",  
"/sim/testsuite/sim/h8300/subl.s",  
"/sim/testsuite/sim/h8300/subs.s",  
"/sim/testsuite/sim/h8300/subw.s",  
"/sim/testsuite/sim/h8300/subx.s",  
"/sim/testsuite/sim/h8300/tas.s",  
"/sim/testsuite/sim/h8300/xorb.s",  
"/sim/testsuite/sim/h8300/xorl.s",  
"/sim/testsuite/sim/h8300/xorw.s",  
"/sim/testsuite/sim/mips/fpu64-ps-sb1.s",  
"/sim/testsuite/sim/mips/fpu64-ps.s",  
"/sim/testsuite/sim/mips/hilo-hazard-1.s",  
"/sim/testsuite/sim/mips/hilo-hazard-2.s",  
"/sim/testsuite/sim/mips/hilo-hazard-3.s",  
"/sim/testsuite/sim/mips/mdmx-ob-sb1.s",  
"/sim/testsuite/sim/mips/mdmx-ob.s",  
"/sim/testsuite/sim/mips/mips32-dsp.s",  
"/sim/testsuite/sim/mips/mips32-dsp2.s",  
"/sim/testsuite/sim/mips/sanity.s",  
"/sim/testsuite/sim/sh/add.s",  
"/sim/testsuite/sim/sh/and.s",  
"/sim/testsuite/sim/sh/bandor.s",  
"/sim/testsuite/sim/sh/bandornot.s",  
"/sim/testsuite/sim/sh/bclr.s",  
"/sim/testsuite/sim/sh/bld.s",  
"/sim/testsuite/sim/sh/bldnot.s",  
"/sim/testsuite/sim/sh/bset.s",  
"/sim/testsuite/sim/sh/bst.s",  
"/sim/testsuite/sim/sh/bxor.s",  
"/sim/testsuite/sim/sh/clip.s",  
"/sim/testsuite/sim/sh/div.s",  
"/sim/testsuite/sim/sh/dmxy.s",  
"/sim/testsuite/sim/sh/fabs.s",  
"/sim/testsuite/sim/sh/fadd.s",  
"/sim/testsuite/sim/sh/fail.s",  
"/sim/testsuite/sim/sh/fcmpeq.s",  
"/sim/testsuite/sim/sh/fcmpgt.s",  
"/sim/testsuite/sim/sh/fcnvds.s",  
"/sim/testsuite/sim/sh/fcnvds.s",  
"/sim/testsuite/sim/sh/fdiv.s",  
"/sim/testsuite/sim/sh/fipr.s",  
"/sim/testsuite/sim/sh/fldi0.s",  
"/sim/testsuite/sim/sh/fldi1.s",

"/sim/testsuite/sim/sh/flds.s",  
"/sim/testsuite/sim/sh/float.s",  
"/sim/testsuite/sim/sh/fmac.s",  
"/sim/testsuite/sim/sh/fmov.s",  
"/sim/testsuite/sim/sh/fmul.s",  
"/sim/testsuite/sim/sh/fneg.s",  
"/sim/testsuite/sim/sh/fpchg.s",  
"/sim/testsuite/sim/sh/frchg.s",  
"/sim/testsuite/sim/sh/fsca.s",  
"/sim/testsuite/sim/sh/fschg.s",  
"/sim/testsuite/sim/sh/fsqrt.s",  
"/sim/testsuite/sim/sh/fsrra.s",  
"/sim/testsuite/sim/sh/fsub.s",  
"/sim/testsuite/sim/sh/ftrc.s",  
"/sim/testsuite/sim/sh/ldrc.s",  
"/sim/testsuite/sim/sh/loop.s",  
"/sim/testsuite/sim/sh/macl.s",  
"/sim/testsuite/sim/sh/macw.s",  
"/sim/testsuite/sim/sh/mov.s",  
"/sim/testsuite/sim/sh/movi.s",  
"/sim/testsuite/sim/sh/movli.s",  
"/sim/testsuite/sim/sh/movua.s",  
"/sim/testsuite/sim/sh/movxy.s",  
"/sim/testsuite/sim/sh/mulr.s",  
"/sim/testsuite/sim/sh/pabs.s",  
"/sim/testsuite/sim/sh/padd.s",  
"/sim/testsuite/sim/sh/paddc.s",  
"/sim/testsuite/sim/sh/pand.s",  
"/sim/testsuite/sim/sh/pass.s",  
"/sim/testsuite/sim/sh/pclr.s",  
"/sim/testsuite/sim/sh/pdec.s",  
"/sim/testsuite/sim/sh/pdmsb.s",  
"/sim/testsuite/sim/sh/pinc.s",  
"/sim/testsuite/sim/sh/pmul.s",  
"/sim/testsuite/sim/sh/prnd.s",  
"/sim/testsuite/sim/sh/pshai.s",  
"/sim/testsuite/sim/sh/pshar.s",  
"/sim/testsuite/sim/sh/pshli.s",  
"/sim/testsuite/sim/sh/pshlr.s",  
"/sim/testsuite/sim/sh/psub.s",  
"/sim/testsuite/sim/sh/pswap.s",  
"/sim/testsuite/sim/sh/pushpop.s",  
"/sim/testsuite/sim/sh/resbank.s",  
"/sim/testsuite/sim/sh/sett.s",  
"/sim/testsuite/sim/sh/shll.s",  
"/sim/testsuite/sim/sh/shll16.s",  
"/sim/testsuite/sim/sh/shll2.s",  
"/sim/testsuite/sim/sh/shll8.s",

```

"./sim/testsuite/sim/sh/shlr.s",
"./sim/testsuite/sim/sh/shlr16.s",
"./sim/testsuite/sim/sh/shlr2.s",
"./sim/testsuite/sim/sh/shlr8.s",
"./sim/testsuite/sim/sh/swap.s",
"./sim/testsuite/sim/sh64/misc/fr-dr.s",
# .inc files. These are usually assembly or C files...
"testsuite/gdb.asm/alpha.inc",
"testsuite/gdb.asm/arm.inc",
"testsuite/gdb.asm/common.inc",
"testsuite/gdb.asm/empty.inc",
"testsuite/gdb.asm/frv.inc",
"testsuite/gdb.asm/h8300.inc",
"testsuite/gdb.asm/i386.inc",
"testsuite/gdb.asm/ia64.inc",
"testsuite/gdb.asm/iq2000.inc",
"testsuite/gdb.asm/m32c.inc",
"testsuite/gdb.asm/m32r-linux.inc",
"testsuite/gdb.asm/m32r.inc",
"testsuite/gdb.asm/m68hc11.inc",
"testsuite/gdb.asm/m68k.inc",
"testsuite/gdb.asm/mips.inc",
"testsuite/gdb.asm/netbsd.inc",
"testsuite/gdb.asm/openbsd.inc",
"testsuite/gdb.asm/pa.inc",
"testsuite/gdb.asm/pa64.inc",
"testsuite/gdb.asm/powerpc.inc",
"testsuite/gdb.asm/powerpc64.inc",
"testsuite/gdb.asm/s390.inc",
"testsuite/gdb.asm/s390x.inc",
"testsuite/gdb.asm/sh.inc",
"testsuite/gdb.asm/sparc.inc",
"testsuite/gdb.asm/sparc64.inc",
"testsuite/gdb.asm/spu.inc",
"testsuite/gdb.asm/v850.inc",
"testsuite/gdb.asm/x86_64.inc",
"testsuite/gdb.asm/xstormy16.inc",
"./sim/testsuite/sim/arm/iwmmxt/testutils.inc",
"./sim/testsuite/sim/arm/testutils.inc",
"./sim/testsuite/sim/arm/thumb/testutils.inc",
"./sim/testsuite/sim/arm/xscale/testutils.inc",
"./sim/testsuite/sim/cr16/testutils.inc",
"./sim/testsuite/sim/cris/asm/testutils.inc",
"./sim/testsuite/sim/cris/hw/rv-n-cris/testutils.inc",
"./sim/testsuite/sim/fr30/testutils.inc",
"./sim/testsuite/sim/frv/testutils.inc",
"./sim/testsuite/sim/h8300/testutils.inc",
"./sim/testsuite/sim/m32r/testutils.inc",

```

```

"/sim/testsuite/sim/sh/testutils.inc",
"/sim/testsuite/sim/sh64/compact/testutils.inc",
"/sim/testsuite/sim/sh64/media/testutils.inc",
"/sim/testsuite/sim/v850/testutils.inc",
)

# A mapping between file extensions to their associated Comment object.
# This dictionary also contains a number of exceptions, based on
# filename.
COMMENT_MAP = \
{ ".1" : Comment(start=r'\.'),
  ".ac" : Comment(start="dnl", start2="#"),
  ".ads" : ADA_COMMENT,
  ".adb" : ADA_COMMENT,
  ".f" : Comment(start="c"),
  ".f90" : Comment(start="!"),
  ".gpr" : ADA_COMMENT,
  ".inc" : Comment(start="#", start2=";"),
  ".s" : Comment(start="!"),
  ".tex" : Comment(start="% "),
  ".texi" : Comment(start="@c"),
  ".texinfo" : Comment(start="@c"),

  # Files that use a different way of including the copyright
  # header...
  "ada-operator.inc" : Comment(start="/*", stop="*/"),
  "gdbint.texinfo" : Comment(start='@copying', stop="@end copying"),
  "annotate.texinfo" : Comment(start='@copying', stop="@end copying",
                               max_lines=50),
  "stabs.texinfo" : Comment(start='@copying', stop="@end copying"),
}

class NotFound(Exception):
    pass

class AlreadyDone(Exception):
    pass

def process_header(src, dst, cdescr):
    """Read from SRC for up to CDESCR.MAX_LINES until we find a copyright
    notice. If found, then write the entire file, with the copyright
    noticed updated with the current year added.

    Raises NotFound if the copyright notice could not be found or has
    some inconsistencies.

    Raises AlreadyDone if the copyright notice already includes the current
    year.

```

```

"""
line_count = 0
# The start-of-comment marker used for this file. Only really useful
# in the case where comments ends at the end of the line, as this
# allows us to know which comment marker to use when breaking long
# lines (in the cases where there are more than one.
cdescr_start = ""

while True:
    # If we still haven't found a copyright line within a certain
    # number of lines, then give up.
    if line_count > cdescr.max_lines:
        raise NotFound("start of Copyright not found")

    line = src.readline()
    line_count += 1
    if not line:
        raise NotFound("start of Copyright not found (EOF)")

    # Is this a copyright line? If not, then no transformation is
    # needed. Write it as is, and continue.
    if not re.search(r"Copyright\b.*\b(199\d|20\d\d)\b", line):
        dst.write(line)
        continue

    # If a start-of-comment marker is needed for every line, try to
    # figure out which one it is that is being used in this file (most
    # files only accept one, in which case it's easy - but some accept
    # two or more...).
    if cdescr.stop is None:
        stripped_line = line.lstrip()
        if stripped_line.startswith(cdescr.start):
            cdescr_start = cdescr.start
        elif (cdescr.start2 is not None
              and stripped_line.startswith(cdescr.start2)):
            cdescr_start = cdescr.start2
        elif cdescr.start in stripped_line:
            cdescr_start = cdescr.start
        elif (cdescr.start2 is not None
              and cdescr.start2 in stripped_line):
            cdescr_start = cdescr.start2
        else:
            # This can't be a line with a comment, so not the copyright
            # line we were looking for. Ignore.
            continue

    comment = line
    break

```

```

while not re.search(r"Free\s+Software\s+Foundation", comment):
    line = src.readline()
    line_count += 1
    if not line:
        raise NotFound("Copyright owner not found (EOF)")

    if cdescr.stop is None:
        # Expect a new comment marker at the start of each line
        line = line.lstrip()
        if not line.startswith(cdescr_start):
            raise NotFound("Copyright owner not found "
                           "(end of comment)")
            comment += " " + line[len(cdescr_start):]
        else:
            if cdescr.stop in comment:
                raise NotFound("Copyright owner not found "
                               "(end of comment)")
                comment += line

# Normalize a bit the copyright string (we preserve the string
# up until "Copyright", in order to help preserve any original
# alignment.
(before, after) = comment.split("Copyright", 1)
after = after.replace("\n", " ")
after = re.sub("\s+", " ", after)
after = after.rstrip()

# If the copyright year has already been added, the nothing else
# to do.
if THIS_YEAR in after:
    raise AlreadyDone

m = re.match("(.*[0-9]+)(.*)", after)
if m is None:
    raise NotFound("Internal error - cannot split copyright line: "
                  "%s" % comment)

# Reconstruct the comment line
comment = before + "Copyright" + m.group(1) + ', %s' % THIS_YEAR
owner_part = m.group(2).lstrip()

# Max comment len...
max_len = 76

# If we have to break the copyright line into multiple lines,
# we want to align all the lines on the "Copyright" keyword.
# Create a small "indent" string that we can use for that.

```



```

if cdescr.stop is None:
    # The comment marker is needed on every line, so put it at the
    # start of our "indent" string.
    indent = cdescr_start + ' ' * (len(before) - len(cdescr_start))
else:
    indent = ' ' * len(before)

# If the line is too long...
while len(comment) > max_len:
    # Split the line at the first space before max_len.
    space_index = comment[0:max_len].rfind(' ')
    if space_index < 0: # No space in the first max_len characters???
        # Split at the first space, then...
        space_index = comment.find(' ')
    if space_index < 0:
        # Still no space found. This is extremely unlikely, but
        # just pretend there is one at the end of the string.
        space_index = len(comment)

    # Write the first part of the string up until the space
    # we selected to break our line.
    dst.write(comment[:space_index] + '\n')

    # Strip the part of comment that we have finished printing.
    if space_index < len(comment):
        comment = comment[space_index + 1:]
    else:
        comment = ""

    # Prepend the "indent" string to make sure that we remain
    # aligned on the "Copyright" word.
    comment = indent + comment

# And finally, write the rest of the last line... We want to write
# "Free Software Foundation, Inc" on the same line, so handle this
# with extra care.
dst.write(comment)
if len(comment) + 1 + len(owner_part) > max_len:
    dst.write('\n' + indent)
else:
    dst.write(' ')
dst.write(owner_part + '\n')

def comment_for_filename(filename):
    """Return the Comment object that best describes the given file.
    This a smart lookup of the COMMENT_MAP dictionary where we check
    for filename-based exceptions first, before looking up the comment
    by filename extension. """

```

```

# First, consult the COMMENT_MAP using the filename, in case this
# file needs special treatment.
basename = os.path.basename(filename)
if basename in COMMENT_MAP:
    return COMMENT_MAP[basename]
# Not a special file. Check the file extension.
ext = os.path.splitext(filename)[1]
if ext in COMMENT_MAP:
    return COMMENT_MAP[ext]
# Not a know extension either, return None.
return None

def process_file(filename):
    """Processes the given file.
    """
    cdescr = comment_for_filename(filename)
    if cdescr is None:
        # Either no filename extension, or not an extension that we
        # know how to handle.
        return

    dst_filename = filename + '.new'
    src = open(filename)
    dst = open(dst_filename, 'w')
    try:
        process_header(src, dst, cdescr)
    except AlreadyDone:
        print "+++ Already up to date: `%s'." % filename
        dst.close()
        os.unlink(dst_filename)
        if filename in NO_COPYRIGHT:
            # We expect the search for a copyright header to fail, and
            # yet we found one...
            print "Warning: `%s' should not be in NO_COPYRIGHT" % filename
        return
    except NotFound as inst:
        dst.close()
        os.unlink(dst_filename)
        if not filename in NO_COPYRIGHT:
            print "*** \033[31m%s\033[0m: %s" % (filename, inst)
        return

    if filename in NO_COPYRIGHT:
        # We expect the search for a copyright header to fail, and
        # yet we found one...
        print "Warning: `%s' should not be in NO_COPYRIGHT" % filename

    for line in src:

```

```

    dst.write(line)
src.close()
dst.close()
os.rename(dst_filename, filename)

if __name__ == "__main__":
    if not os.path.isfile("doc/gdb.texinfo"):
        print "Error: This script must be called from the gdb directory."
    for gdb_dir in ('.', './sim', './include/gdb'):
        for root, dirs, files in os.walk(gdb_dir):
            for filename in files:
                fullpath = os.path.join(root, filename)
                if fullpath.startswith('./'):
                    fullpath = fullpath[2:]
                if filename not in EXCLUSION_LIST and fullpath not in BY_HAND:
                    # Paths that start with './' are ugly, so strip that.
                    # This also allows us to omit them in the NO_COPYRIGHT
                    # list...
                    process_file(fullpath)

    print
    print "\033[32mREMINDER: The following files must be updated by hand." \
          "\033[0m"
    for filename in BY_HAND:
        print " ", filename
BEGIN {
    FS="\ ";
    print "/* ==> Do not modify this file!! It is created automatically";
    print " by copying.awk. Modify copying.awk instead. <== */";
    print ""
    print "#include \"defs.h\""
    print "#include \"command.h\""
    print "#include \"gdbcmd.h\""
    print ""
    print "static void show_copying_command (char *, int);"
    print ""
    print "static void show_warranty_command (char *, int);"
    print ""
    print "void _initialize_copying (void);"
    print ""
    print "extern int immediate_quit;";
    print "static void";
    print "show_copying_command (char *ignore, int from_tty)";
    print "{";
    print "    immediate_quit++;";
}
NR == 1,/^[ ]*15\ Disclaimer of Warranty\.[ ]*$/ {
    if ($0 ~ //)
        {

```

```

    printf " printf_filtered (\\n\\n");\n";
}
else if ($0 !~ /^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ )
{
    printf " printf_filtered (\"";
    for (i = 1; i < NF; i++)
printf "%s\\\"", $i;
    printf "%s\\n");\n", $NF;
}
}
/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ {
    print " immediate_quit--";
    print "}";
    print "";
    print "static void";
    print "show_warranty_command (char *ignore, int from_tty)";
    print "{";
    print " immediate_quit++;";
}
/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/, /^[ ]*END OF TERMS AND CONDITIONS[ ]*$/ {
    if (! ($0 ~ /^[ ]*END OF TERMS AND CONDITIONS[ ]*$/))
    {
        printf " printf_filtered (\"";
        for (i = 1; i < NF; i++)
printf "%s\\\"", $i;
        printf "%s\\n");\n", $NF;
    }
}
END {
    print " immediate_quit--";
    print "}";
    print "";
    print "void"
    print "_initialize_copying (void)";
    print "{";
    print " add_cmd (\"copying\", no_class, show_copying_command,");
    print " _(\"Conditions for redistributing copies of GDB.\");";
    print " &showlist);";
    print " add_cmd (\"warranty\", no_class, show_warranty_command,");
    print " _(\"Various kinds of warranty you do not have.\");";
    print " &showlist);";
    print "";
    print " /* For old-timers, allow \"info copying\", etc. */";
    print " add_info (\"copying\", show_copying_command,");
    print " _(\"Conditions for redistributing copies of GDB.\");";
    print " add_info (\"warranty\", show_warranty_command,");
    print " _(\"Various kinds of warranty you do not have.\");";
    print "}";
}

```

```
}
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}
```

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```
@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@appendix GNU GENERAL PUBLIC LICENSE
@c The GNU General Public License.
@center Version 3, 29 June 2007
```

```
@c This file is intended to be included within another document,
@c hence no sectioning command or @node.
```

```
@display
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}
```

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```
@end display
```

```
@heading Preamble
```

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@item

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@item

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@item

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@item

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@item

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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.

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

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

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

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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

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

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit

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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.

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

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\* As of 2010/06/11, this method is identical to the (package private) hash

\* method in OpenJDK 7's java.util.HashMap class.

\*/

/\*

\* Regarding newSetForMap() and SetFromMap:

\*

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## 15.0

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### 8.107 hamcrest-core 1.3

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[3]dast@nlanr.net Last modified: Jan 5, 2004

[4]NLANR || [5]applications support || [6]engineering support ||  
[7]measurement and operations

#### References

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## 8.125 isomorphic-fetch 2.2.1

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It was originally written by Tatu Saloranta ([tatu.saloranta@iki.fi](mailto:tatu.saloranta@iki.fi)), and has  
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It is currently developed by a community of developers, as well as supported  
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Jackson is a high-performance, Free/Open Source JSON processing library.  
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It is currently developed by a community of developers, as well as supported  
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## 8.136 jackson-dataformat-xml 2.7.4

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```

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```

## 8.147 jackson-mapper-asl 1.8.3

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# 8.148 jackson-mapper-asl 1.9.2

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### 2.4.5

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## 8.150 jackson-module-jaxb-annotations 2.7.4

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888 8 888 .d88' Y888..8P
888 8 88800088P' `8888'
888 8 888 .8PY888.
```

`88. .8' 888 d8' `888b  
`YbodP' o888o o888o o88888o

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### 1.1

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## 8.170 jaxb-impl 2.2.4

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# 8.186 jersey-core 1.18.1

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## **8.204 jetty-io 9.1.4.v20140401**

## **8.205 jetty-server 9.1.4.v20140401**

## **8.206 jetty-util 9.1.4.v20140401**

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No source code of the original library was modified.

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The primary ANTLR guy:

Terence Parr  
parrt@cs.usfca.edu  
parrt@antlr.org

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Version 1.1

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Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed their package name from 'com.lowagie' to 'clover.com.lowagie'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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Version 1.1

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/\*

File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

Author:

Nicolas Garcia Belmonte

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Version:

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Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'org.apache.velocity' to 'clover.org.apache.velocity'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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ionStatementsupportEntitlementNumberZallowedPkgPrefixesLjava/util/HashSet;maintExpirysupportedFeaturesread  
From)(Ljava/io/InputStream;)Ljava/lang/String;(com/atlassian/clover/api/CloverExceptionLjava/io/IOExceptionNja  
va/lang/StringBufferP<init>()VRS  
QTjava/io/LineNumberReaderVjava/io/InputStreamReaderXUTF-8Z\*(Ljava/io/InputStream;Ljava/lang/String;)VR\  
Y)(Ljava/io/Reader;)VR\_  
W`readLine()Ljava/lang/String;bc

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Wdappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;fg
Qh
jtoStringlc
QmError reading license. o
getMessageqc
Or*(Ljava/lang/String;Ljava/lang/Throwable;)VRt
MulinelicenseCertLjava/lang/StringBuffer;linLjava/io/LineNumberReader;eLjava/io/IOException;
licenseInLjava/io/InputStream;(Ljava/lang/String;)Vjava/lang/NullPointerException
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6E 8I :Invalid license data [E1300]. <
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i/LicenseManager;atlLicense2Lclover/com/atlassian/extras/api/AtlassianLicense;license6Lclover/com/atlassian/extr
as/api/clover/CloverLicense;com/cenqua/clover/LicenseLoggerMcom/cenqua/clover/LoggerOgetInstance()Lcom/ce
nqua/clover/Logger;QR
PS(Lcom/cenqua/clover/Logger;)VRU

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NVsetInstance6(Lclover/com/atlassian/extras/common/log/Logger$Log;)VXY
Zr(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;JJ)
VClover](Clover Evaluation License registered to _nameowner preExpiry
postExpiryterminationcontactInfosoftExpiryDatehardExpiryDategetProductNamegetLicenseName
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Maven Ant Tasks

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properties;Lclover/com/atlassian/extras/common/util/LicenseProperties;<init>g(Lclover/com/atlassian/extras/api/Pr
oduct;Lclover/com/atlassian/extras/common/util/LicenseProperties;)V()V24
5java/lang/String8valueOf(I)Ljava/lang/String;;
9<9clover/com/atlassian/extras/common/util/LicenseProperties>getProperty8(Ljava/lang/String;Ljava/lang/String;)
Ljava/lang/String;@A?Bjava/lang/IntegerD'(Ljava/lang/String;)Ljava/lang/Integer;:F
EGintValue()III
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y.{error(Ljava/lang/Object;)V}~,clover/com/atlassian/license/LicenseRegistrygetLicenseMessageXgetLicenseHash
X?There is no license string or hash defined for the application
info~(clover/com/atlassian/license/LicensePair'(Ljava/lang/String;Ljava/lang/String;)V
Could not build a license
pair*(Ljava/lang/Object;Ljava/lang/Throwable;)V}3clover/com/atlassian/license/decoder/LicenseDecoderd(Lclover
/com/atlassian/license/LicensePair;Ljava/lang/String;)Lclover/com/atlassian/license/License;a
Exception getting license: ,(Ljava/lang/Object;)Ljava/lang/StringBuffer;S
Oe/Lclover/com/atlassian/license/LicenseException;license&Lclover/com/atlassian/license/License;
licenseStrhashpair*Lclover/com/atlassian/license/LicensePair;Ljava/lang/Exception;
setLicenseL(Ljava/lang/String;Ljava/lang/String;)Lclover/com/atlassian/license/License;
\isValid?(Lclover/com/atlassian/license/LicensePair;Ljava/lang/String;)Z
?(Lclover/com/atlassian/license/LicensePair;Ljava/lang/String;)V
qAttempt to set invalid license. Ensure that you are calling setLicense(license, appName) - not (appName,
license)warnupdatedLicenseremoveI-()IBa
)clover/com/atlassian/license/LicenseUtils getString([B]Ljava/lang/String;
setLicenseMessage[getHash

```



```
setLicenseHash[getLicensePair>(Ljava/lang/String;)Lclover/com/atlassian/license/LicensePair; Couldn't get the
LicensePair ...getLicenseTypeP(Ljava/lang/String;Ljava/lang/String;)Lclover/com/atlassian/license/LicenseType;-
clover/com/atlassian/license/LicenseTypeStore>(Ljava/lang/String;)Lclover/com/atlassian/license/LicenseType;
licenseTypeString?(Ljava/lang/String;I)Lclover/com/atlassian/license/LicenseType;-
(I)Lclover/com/atlassian/license/LicenseType;
licenseTypeCodeIresetclear-clearLicenseConfigurations
removeLicense<clinit> getClass()Ljava/lang/Class;
java/lang/ClassGetComponentType
F(Ljava/lang/Class;)Lclover/com/atlassian/extras/common/log/Logger$Log;
  SyntheticCodeLocalVariableTableLineNumberTable
Exceptions
SourceFileInnerClasses!
Q**Y*Y !"# !4#
Y$##+-%&s(Y-,+:*+1W423456789567;:= *+?B 23;CD= *+?G 23@<=y/*+K(M,MYOYPRV+VZ], //23!89EFH-
J^Dc*+K(M,,G 2389TUW[_`O*+d*+djk3bab
*r*+vM*+K(N-%xOYPzV+V|VZ-B:::%xOYPV+V|VZ:Y::x+M*+,1W MxOYPV,Z,*+KfmNoOoof
)89Ut67^k3gb3323bgkl)m-oMpOrUs^tgvqxy|3NY+N-,-, *-,:x"#o>%3333231& #%1@+>*,W*,K(N-
B:++4"89#67@@@23#1?m5*+K(M,BNY--Mx,&'m48967(
5523'(3c*+K(N-G,*233 89
mc*+K(N-G*23 89
mM**# 8
*
```

```
[D*+W23
5YWYx
```

```
0(clover/com/atlassian/license/LicenseTypejava/lang/ObjectLicenseType.javaequals(Ljava/lang/Object;)ZhashCode
()IgetTypetoString()Ljava/lang/String;getDescriptiongetNiceNameisEvaluationLicenseType()ZrequiresUserLimitex
piresgetNewLicenseTypeName
getEdition2()Lclover/com/atlassian/extras/api/LicenseEdition;
SourceFile
```

```
0?-clover/com/atlassian/license/util/StringUtilsjava/lang/ObjectStringUtils.java<init>()V
this/Lclover/com/atlassian/license/util/StringUtils;
replaceAll(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;java/lang/Stringequals(Ljava/l
ang/Object;)Z
java/lang/StringBufferlength()I
(I)V
indexOf(Ljava/lang/String;)I
! substring(II)Ljava/lang/String;#$
% append,(Ljava/lang/String;)Ljava/lang/StringBuffer;'(
)(I)Ljava/lang/String;#+
,toString()Ljava/lang/String;./
0iIstrLjava/lang/String;
oldPattern
newPattern remainderbufLjava/lang/StringBuffer;CodeLocalVariableTableLineNumberTable
SourceFile!;/* <
```

```
=
;i*+*NY*h:-+ "6&-&*W,*W-+`-N
-*W1<>-323i45i65i75R85&C9:=6
&-3@GV]` c!>
0!1clover/com/atlassian/license/LicenseConfigurationjava/lang/ObjectLicenseConfiguration.javalicenseRegistry.Lcl
over/com/atlassian/license/LicenseRegistry;licenseTypeStore/Lclover/com/atlassian/license/LicenseTypeStore;<init
> `(Lclover/com/atlassian/license/LicenseRegistry;Lclover/com/atlassian/license/LicenseTypeStore;)V()V
```

```
this3Lclover/com/atlassian/license/LicenseConfiguration;getLicenseRegistry0()Lclover/com/atlassian/license/Licen
seRegistry;getLicenseTypeStore1()Lclover/com/atlassian/license/LicenseTypeStore;setLicenseRegistry1(Lclover/co
m/atlassian/license/LicenseRegistry;)VsetLicenseTypeStore2(Lclover/com/atlassian/license/LicenseTypeStore;)VC
odeLocalVariableTableLineNumberTable
```

SourceFile!

```
Y**+*, /*/*>*+
```

```
!>*+
```

```
%&
```

```
0$clover/com/atlassian/license/Licensejava/lang/ObjectLicense.javagetDateCreated()Ljava/util/Date;getDatePurchas
edgetOrganisation()Ljava/lang/String;getLicenseType,()Lclover/com/atlassian/license/LicenseType; isExpired()Z
getExpiryDatetoStringisLicenseLevel(Ljava/util/Collection;)ZgetUsers()IgetPartnerNamegetLicenseIdgetPermitted
ClusteredNodesgetLicenseDuration()JgetSupportEntitlementNumber
```

SourceFile

```
0Z4clover/com/atlassian/license/AbstractLicenseRegistryjava/lang/Object,clover/com/atlassian/license/LicenseRegi
stryAbstractLicenseRegistry.java<init>()V
```

```
this6Lclover/com/atlassian/license/AbstractLicenseRegistry;getAllLicenseTypes()Ljava/util/Collection;getLicenseT
ype>(Ljava/lang/String;)Lclover/com/atlassian/license/LicenseType;-clover/com/atlassian/license/LicenseException
java/util/Collectioniterator()Ljava/util/Iterator;java/util/IteratorhasNext()Z
```

```
next(Ljava/lang/Object;"#$(clover/com/atlassian/license/LicenseType&getDescription()Ljava/lang/String;()*java/l
ang/String,toLowerCase.)
```

```
-/indexOf(Ljava/lang/String;)I12
```

```
-3java/lang/StringBuffer5
```

```
6
```

```
The license type (8append,(Ljava/lang/String;)Ljava/lang/StringBuffer;;;
```

```
6<) specified is invalid.>toString@)
```

```
6A(Ljava/lang/String;)VC
```

```
DlicenseType*Lclover/com/atlassian/license/LicenseType;licenseTypeDescLjava/lang/String;Ljava/util/Iterator;typ
e-(I)Lclover/com/atlassian/license/LicenseType;getType()IMN'O(I)Ljava/lang/StringBuffer;;Q
```

```
6RIRcodeLocalVariableTableLineNumberTable
```

Exceptions

SourceFile! U/\*V

```
W
```

```
UZ*M,!*,%'N-+0:+04-Y6Y79=+=?=BEV4FG(HI
```

```
0JZ
```

```
ZKIW(57:XLUL*M,!*,%'N-P-Y6Y79=S?=BEV*FG
```

```
"JL
```

```
LKTW#%"()),*XY
```

```
0!2clover/com/atlassian/license/MemoryLicenseRegistryjava/lang/Object,clover/com/atlassian/license/LicenseRegis
tryMemoryLicenseRegistry.javaLICENSEL.java/lang/String;HASH<init>()V
```

```
this4Lclover/com/atlassian/license/MemoryLicenseRegistry;setLicenseMessage(Ljava/lang/String;)V
licenseMessagesetLicenseHash
```

```
licenseHashgetLicenseMessage()Ljava/lang/String;getLicenseHashCodeLocalVariableTableLineNumberTable
SourceFile!
```

```
/*=+
```

```
=+
```

```
..
```

```
0
```

```
,clover/com/atlassian/license/LicenseRegistryjava/lang/ObjectLicenseRegistry.javasetLicenseMessage(Ljava/lang/St
ring;)VsetLicenseHashgetLicenseMessage()Ljava/lang/String;getLicenseHash
SourceFile
```

```
0)clover/com/atlassian/license/LicenseUtilsjava/lang/ObjectLicenseUtils.java1 clover/com/atlassian/extras/common/l
og/Logger$Log-
```

```
clover/com/atlassian/extras/common/log/LoggerLoglog3Lclover/com/atlassian/extras/common/log/Logger$Log;PO
ST_LICENSE_EVAL_PERIODJ~UPDATE_ALLOWED_PERIOD\ALMOST_EXPIRED_PERIODKPARTNER_
NOT_MATCHING_BUILD.java/lang/String;'partner not matching build partner
nameLICENSE_NO_PARTNER'License does not contain a partner
```

```
name/class$clover$com$atlassian$license$LicenseUtils.java/lang/Class;<init>()V !
```

```
"this+Lclover/com/atlassian/license/LicenseUtils; getString([B)Ljava/lang/String;rndChar(I)C()
```

```
*getCharInRange,)
```

```
- /java/lang/StringBuffer1
```

```
2"Invalid Char in stream 4append,(Ljava/lang/String;)Ljava/lang/StringBuffer;67
```

```
28(I)Ljava/lang/StringBuffer;6:
```

```
2;toString()Ljava/lang/String;=>
```

```
2?debug(Ljava/lang/Object;)VABC.java/lang/StringE([C)V G
```

```
FHaByteBiI byteArray[BcharByte[Cstr.java/lang/Math$Random()DUV
```

```
TW@@@cuZInvalid int in stream `cIgetBytesInRange(C)BIncorrect character in stream
```

```
e(C)Ljava/lang/StringBuffer;6g
```

```
2hCgetBytes(Ljava/lang/String;)[BtoCharArray() [Cmn
```

```
Fo.java/lang/CharacterqtoLowerCase(C)Cst
```

```
rucd
```

```
w!Invalid character in byte stream ystring
```

```
charArraybytesgetSupportPeriodEnd)(Lclover/com/atlassian/license/License;)J$clover/com/atlassian/license/Licens
egetDateCreated()Ljava/util/Date;java/util/DategetTime()J
```

```
license&Lclover/com/atlassian/license/License;isLicenseTooOldForBuild9(Lclover/com/atlassian/license/License;L
java/util/Date;);Z~
```

```
buildDate.java/util/Date;confirmExtendLicenseExpired(Ljava/util/Date;);Z
```

```
"#getNewBuildWithOldLicenseExpiryDate(Ljava/util/Date;);J
```

```
dateConfirmed(Ljava/lang/String;);Z.java/lang/NumberFormatException.java/lang/Long
```

```
parseLong(Ljava/lang/String;);J
```

```
(J)V
```

```
!getSupportPeriodAlmostExpiredDateisPartnerDetailsValidL(Lclover/com/atlassian/license/License;Ljava/lang/Stri
ng;)Ljava/lang/String;getPartnerName>equals(Ljava/lang/Object;)Z
FbuildPartnerNameLicensePartnerNameReadKey(Ljava/io/InputStream;)[Ljava/io/IOExceptionjava/io/ByteArrayOut
putStream
"java/io/InputStreamread([BI
write([BII)V
toByteArray()[B
isLjava/io/InputStream;outLjava/io/ByteArrayOutputStream;len<clinit> getClass()Ljava/lang/Class;
java/lang/ClassGetComponentType
getInstanceF(Ljava/lang/Class;)Lclover/com/atlassian/extras/common/log/Logger$Log;
```

ConstantValue SyntheticCodeLocalVariableTableLineNumberTable  
Exceptions  
SourceFileInnerClasses!

```
!3*#$$%
&'a*hL=**3>!++U+*`.U++U+*`@`.Ua@++U+*`.UB@!++U+*`@d.U02Y359<@DPFY+IM,4JK
LMNOPQRN#$$&')&*7,A.H/X1c3j4w689=$@A
()u/hXYk`<X[k=aA`/LM!]M^_FG H
),j 0`
#
dA`$=$da`><?>02Y3a9<@DjbM2PRTV&X2Z;\A^D`JbMehf
cdk09 0dAZAd
`azad$`<>?02Y3f9i@Dkbj2nprt'v3x<zB|E~KNi
kl**pL+IM>, +4vg,+, `4xdTv+4vm,+, `4x@dTX+4vs,+, `4xT>+4vy,+, `4x@`T 02Y3z9+4i@De,*LM{|Q}O:3>Q\kv
~8*a F*+ BY* 9Y*
3 *a 9Y* 3 *e ?*M,,,+,++ ??89< *YL=N*-Y=
+--+**"
M}O
%!5YWY0
```

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Version 2, June 1991

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

### Preamble

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The primary ANTLR guy:

Terence Parr  
parrt@cs.usfca.edu  
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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package name from 'com.lowagie' to 'clover.com.lowagie'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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Version 1.1

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## 8.216 joda-convert 1.6

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## 8.223 json-java 20140107

## 8.224 json4s-ast 3.5.3

## 8.225 json4s-core 3.5.3

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## 8.231 jsr166y 1.7.0

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## 8.237 kerberos 1.13.1

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cmd/krb5/kadmin/server/iproplib_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  
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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/generic/gssapi\_err\_generic.et
- lib/gssapi/mechglue/g\_accept\_sec\_context.c
- lib/gssapi/mechglue/g\_acquire\_cred.c
- lib/gssapi/mechglue/g\_canon\_name.c
- lib/gssapi/mechglue/g\_compare\_name.c
- lib/gssapi/mechglue/g\_context\_time.c
- lib/gssapi/mechglue/g\_delete\_sec\_context.c
- lib/gssapi/mechglue/g\_dsp\_name.c
- lib/gssapi/mechglue/g\_dsp\_status.c
- lib/gssapi/mechglue/g\_dup\_name.c
- lib/gssapi/mechglue/g\_exp\_sec\_context.c
- lib/gssapi/mechglue/g\_export\_name.c
- lib/gssapi/mechglue/g\_glue.c
- lib/gssapi/mechglue/g\_imp\_name.c
- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c
- lib/gssapi/mechglue/g\_inquire\_names.c
- lib/gssapi/mechglue/g\_process\_context.c
- lib/gssapi/mechglue/g\_rel\_buffer.c
- lib/gssapi/mechglue/g\_rel\_cred.c
- 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 option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

```
This program is free software: you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.
```

```
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along with this program. If not, see <http://www.gnu.org/licenses/>.
```

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

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

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

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This package was debianized and maintained by  
Christoph Lameter <[clameter@debian.org](mailto:clameter@debian.org)> on Thu, 6 Feb 1997 18:50:09 -0800  
Nicols Lichtmaier <[nick@debian.org](mailto:nick@debian.org)> on Sat, 5 Apr 1997 16:56:35 -0300  
Nol Kthe <[noel@debian.org](mailto:noel@debian.org)> since Sat, 14 Sep 2002 11:56:00 +0200

It was downloaded from

<http://ftp.yar.ru/lftp/>

Upstream Author: Alexander V. Lukyanov <[lav@yars.free.net](mailto:lav@yars.free.net)>

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</usr/share/common-licenses/GPL-3>

## 8.239 libasm1 0.165-3ubuntu1.2\_amd64

## 8.240 libbz2-1.0 1.0.6 :8ubuntu0.2\_amd64

### 8.240.1 Available under license :

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

## 8.241 libcrack2 amd64:2.9.2-1

### 8.241.1 Available under license :

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

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

[Cracklib-devel] cracklib license

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

Attachments: Message as HTML

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

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

=2Dmike

Re: [Cracklib-devel] cracklib license

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

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

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

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

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

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

> libraries under

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

> -mike

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

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

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

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

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

> clarification of the licensing that was already in place.

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20  
library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=2Dmike

Re: [Cracklib-devel] cracklib license

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

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

-- Nathan  
=20

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

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

> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:33 PM  
> To: Neulinger, Nathan  
> Cc: cracklib-devel@li...; Alec Muffett  
> Subject: Re: [Cracklib-devel] cracklib license  
>=20

> 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.  
>=20  
> the original license (before moving to sourceforge -- aka, 2.7) was  
> not  
> GPL-2 ... it was a modified artistic license ... i didnt notice the  
> license  
> change until it was mentioned in the latest notes.  
>=20  
> unlike the old license, GPL-2 prevents people from using cracklib  
> unless their  
> applications are also GPL-2 which imo is just wrong. it isnt 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

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

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

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

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

-----

From alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from [82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>

<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length: 585  
Lines: 21

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

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

Happy now? :-)

-a

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Version 2.1, February 1999

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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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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is

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

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Ty Coon, President of Vice

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## 8.243 libdw1 0.165-3ubuntu1.2

## 8.244 libexpat 2.1.0-7ubuntu0.16.04.5\_amd64

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*/

```

```

/*
** Note: This file was originally automatically generated by fdtrans.
*/

```

```

#ifdef __USE_INLINE__
#undef __USE_INLINE__
#endif

```

```

#include <exec/interfaces.h>
#include <exec/libraries.h>
#include <exec/emulation.h>
#include <proto/exec.h>
#include <interfaces/expat.h>
#include "expat_68k.h"
#include "expat_base.h"

```

```

STATIC ULONG stub_OpenPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct LibraryManagerInterface *Self = (struct LibraryManagerInterface *) ExtLib->ILibrary;

    return (ULONG) Self->Open(0);
}
struct EmuTrap stub_Open = { TRAPINST, TRAPTYPE, stub_OpenPPC };

```

```

STATIC ULONG stub_ClosePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct LibraryManagerInterface *Self = (struct LibraryManagerInterface *) ExtLib->ILibrary;

    return (ULONG) Self->Close();
}
struct EmuTrap stub_Close = { TRAPINST, TRAPTYPE, stub_ClosePPC };

```

```

STATIC ULONG stub_ExpungePPC(ULONG *regarray)
{

```

```

return 0UL;
}
struct EmuTrap stub_Expunge = { TRAPINST, TRAPTYPE, stub_ExpungePPC };

STATIC ULONG stub_ReservedPPC(ULONG *regarray)
{
return 0UL;
}
struct EmuTrap stub_Reserved = { TRAPINST, TRAPTYPE, stub_ReservedPPC };

static M68kXML_Parser stub_XML_ParserCreatePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

M68kXML_Parser p;
p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
if (p) {
p->p = Self->XML_ParserCreate((const XML_Char *)regarray[8]);
if (p->p) {
p->IExec = IExec;
Self->XML_SetUserData(p->p, p);
return p;
}
IExec->FreeVec(p);
}
return NULL;
}
struct EmuTrap stub_XML_ParserCreate = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserCreatePPC };

static M68kXML_Parser stub_XML_ParserCreateNSPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

M68kXML_Parser p;
p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
if (p) {
p->p = Self->XML_ParserCreateNS((const XML_Char *)regarray[8], (XML_Char)regarray[0]);
if (p->p) {
p->IExec = IExec;
Self->XML_SetUserData(p->p, p);
return p;
}
}
}

```

```

    }
    IExec->FreeVec(p);
}
return NULL;
}
struct EmuTrap stub_XML_ParserCreateNS = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserCreateNSPPC };

static M68kXML_Parser stub_XML_ParserCreate_MMPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p;
    p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
    if (p) {
        p->p = Self->XML_ParserCreate_MM((const XML_Char *)regarray[8],
            (const XML_Memory_Handling_Suite *)regarray[9],
            (const XML_Char *)regarray[10]);
        if (p->p) {
            p->IExec = IExec;
            Self->XML_SetUserData(p->p, p);
            return p;
        }
        IExec->FreeVec(p);
    }
    return NULL;
}
struct EmuTrap stub_XML_ParserCreate_MM = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserCreate_MMPPC };

static M68kXML_Parser stub_XML_ExternalEntityParserCreatePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p;
    p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
    if (p) {
        p->p = Self->XML_ExternalEntityParserCreate((XML_Parser)regarray[8],
            (const XML_Char *)regarray[9], (const XML_Char *)regarray[10]);
        if (p->p) {
            p->IExec = IExec;
            Self->XML_SetUserData(p->p, p);

```

```

    return p;
}
IExec->FreeVec(p);
}
return NULL;
}
struct EmuTrap stub_XML_ExternalEntityParserCreate = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ExternalEntityParserCreatePPC };

static void stub_XML_ParserFreePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    if (p) {
        Self->XML_ParserFree(p->p);
        IExec->FreeVec(p);
    }
}
struct EmuTrap stub_XML_ParserFree = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserFreePPC };

static int stub_XML_ParsePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    Self->XML_SetUserData(p->p, p);
    return Self->XML_Parse(p->p, (const char *)regarray[9], (int)regarray[0], (int)regarray[1]);
}
struct EmuTrap stub_XML_Parse = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG *))stub_XML_ParsePPC };

static int stub_XML_ParseBufferPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_ParseBuffer(p->p, (int)regarray[0], (int)regarray[1]);
}
struct EmuTrap stub_XML_ParseBuffer = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParseBufferPPC };

```

```

static void * stub_XML_GetBufferPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_GetBuffer(p->p, (int)regarray[0]);
}
struct EmuTrap stub_XML_GetBuffer = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetBufferPPC };

static void stub_XML_SetStartElementHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->startelementhandler = (void *)regarray[9];
    Self->XML_SetStartElementHandler(p->p, _68k_startelementhandler);
}
struct EmuTrap stub_XML_SetStartElementHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartElementHandlerPPC };

static void stub_XML_SetEndElementHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->endelementhandler = (void *)regarray[9];
    Self->XML_SetEndElementHandler(p->p, _68k_endelementhandler);
}
struct EmuTrap stub_XML_SetEndElementHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndElementHandlerPPC };

static void stub_XML_SetElementHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->startelementhandler = (void *)regarray[9];
    p->endelementhandler = (void *)regarray[10];
}

```



```

Self->XML_SetElementHandler(p->p, _68k_startelementhandler, _68k_endelementhandler);
}
struct EmuTrap stub_XML_SetElementHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetElementHandlerPPC };

static void stub_XML_SetCharacterDataHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->chardatahandler = (void *)regarray[9];
Self->XML_SetCharacterDataHandler(p->p, _68k_chardatahandler);
}
struct EmuTrap stub_XML_SetCharacterDataHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetCharacterDataHandlerPPC };

static void stub_XML_SetProcessingInstructionHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->procinsthandler = (void *)regarray[9];
Self->XML_SetProcessingInstructionHandler(p->p, _68k_procinsthandler);
}
struct EmuTrap stub_XML_SetProcessingInstructionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetProcessingInstructionHandlerPPC };

static void stub_XML_SetCommentHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->commenthandler = (void *)regarray[9];
Self->XML_SetCommentHandler(p->p, _68k_commenthandler);
}
struct EmuTrap stub_XML_SetCommentHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetCommentHandlerPPC };

static void stub_XML_SetStartCdataSectionHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);

```

```

struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startcdatahandler = (void *)regarray[9];
Self->XML_SetStartCdataSectionHandler(p->p, _68k_startcdatahandler);
}
struct EmuTrap stub_XML_SetStartCdataSectionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartCdataSectionHandlerPPC };

static void stub_XML_SetEndCdataSectionHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->endcdatahandler = (void *)regarray[9];
Self->XML_SetEndCdataSectionHandler(p->p, _68k_endcdatahandler);
}
struct EmuTrap stub_XML_SetEndCdataSectionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndCdataSectionHandlerPPC };

static void stub_XML_SetCdataSectionHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startcdatahandler = (void *)regarray[9];
p->endcdatahandler = (void *)regarray[10];
Self->XML_SetCdataSectionHandler(p->p, _68k_startcdatahandler, _68k_endcdatahandler);
}
struct EmuTrap stub_XML_SetCdataSectionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetCdataSectionHandlerPPC };

static void stub_XML_SetDefaultHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->defaulthandler = (void *)regarray[9];
Self->XML_SetDefaultHandler(p->p, _68k_defaulthandler);
}
struct EmuTrap stub_XML_SetDefaultHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetDefaultHandlerPPC };

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```

static void stub_XML_SetDefaultHandlerExpandPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->defaultHandlerexp = (void *)regarray[9];
    Self->XML_SetDefaultHandlerExpand(p->p, _68k_defaultHandlerexp);
}
struct EmuTrap stub_XML_SetDefaultHandlerExpand = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetDefaultHandlerExpandPPC };

static void stub_XML_SetExternalEntityRefHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->extentrefhandler = (void *)regarray[9];
    Self->XML_SetExternalEntityRefHandler(p->p, _68k_extentrefhandler);
}
struct EmuTrap stub_XML_SetExternalEntityRefHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetExternalEntityRefHandlerPPC };

static void stub_XML_SetExternalEntityRefHandlerArgPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->extenthandlerarg = (void *)regarray[9];
}
struct EmuTrap stub_XML_SetExternalEntityRefHandlerArg = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetExternalEntityRefHandlerArgPPC };

static void stub_XML_SetUnknownEncodingHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->unknownenandler = (void *)regarray[9];
    p->enandlerarg = (void *)regarray[10];
}

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Self->XML_SetUnknownEncodingHandler(p->p, _68k_unknownenandler, p);
}
struct EmuTrap stub_XML_SetUnknownEncodingHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetUnknownEncodingHandlerPPC };

static void stub_XML_SetStartNamespaceDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startnamespacehandler = (void *)regarray[9];
Self->XML_SetStartNamespaceDeclHandler(p->p, _68k_startnamespacehandler);
}
struct EmuTrap stub_XML_SetStartNamespaceDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartNamespaceDeclHandlerPPC };

static void stub_XML_SetEndNamespaceDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->endnamespacehandler = (void *)regarray[9];
Self->XML_SetEndNamespaceDeclHandler(p->p, _68k_endnamespacehandler);
}
struct EmuTrap stub_XML_SetEndNamespaceDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndNamespaceDeclHandlerPPC };

static void stub_XML_SetNamespaceDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startnamespacehandler = (void *)regarray[9];
p->endnamespacehandler = (void *)regarray[10];
Self->XML_SetNamespaceDeclHandler(p->p, _68k_startnamespacehandler, _68k_endnamespacehandler);
}
struct EmuTrap stub_XML_SetNamespaceDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetNamespaceDeclHandlerPPC };

static void stub_XML_SetXmlDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];

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struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->xmldeclhandler = (void *)regarray[9];
Self->XML_SetXmlDeclHandler(p->p, _68k_xmldeclhandler);
}
struct EmuTrap stub_XML_SetXmlDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetXmlDeclHandlerPPC };

static void stub_XML_SetStartDoctypeDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startdoctypehandler = (void *)regarray[9];
Self->XML_SetStartDoctypeDeclHandler(p->p, _68k_startdoctypehandler);
}
struct EmuTrap stub_XML_SetStartDoctypeDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartDoctypeDeclHandlerPPC };

static void stub_XML_SetEndDoctypeDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->enddoctypehandler = (void *)regarray[9];
Self->XML_SetEndDoctypeDeclHandler(p->p, _68k_enddoctypehandler);
}
struct EmuTrap stub_XML_SetEndDoctypeDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndDoctypeDeclHandlerPPC };

static void stub_XML_SetDoctypeDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startdoctypehandler = (void *)regarray[9];
p->enddoctypehandler = (void *)regarray[10];
Self->XML_SetDoctypeDeclHandler(p->p, _68k_startdoctypehandler, _68k_enddoctypehandler);
}
struct EmuTrap stub_XML_SetDoctypeDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG

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```

*))stub_XML_SetDoctypeDeclHandlerPPC };

static void stub_XML_SetElementDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->elementdeclhandler = (void *)regarray[9];
    Self->XML_SetElementDeclHandler(p->p, _68k_elementdeclhandler);
}
struct EmuTrap stub_XML_SetElementDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetElementDeclHandlerPPC };

static void stub_XML_SetAttlistDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->attlistdeclhandler = (void *)regarray[9];
    Self->XML_SetAttlistDeclHandler(p->p, _68k_attlistdeclhandler);
}
struct EmuTrap stub_XML_SetAttlistDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetAttlistDeclHandlerPPC };

static void stub_XML_SetEntityDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->entitydeclhandler = (void *)regarray[9];
    Self->XML_SetEntityDeclHandler(p->p, _68k_entitydeclhandler);
}
struct EmuTrap stub_XML_SetEntityDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEntityDeclHandlerPPC };

static void stub_XML_SetUnparsedEntityDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];

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p->unparseddeclhandler = (void *)regarray[9];
Self->XML_SetUnparsedEntityDeclHandler(p->p, _68k_unparseddeclhandler);
}
struct EmuTrap stub_XML_SetUnparsedEntityDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetUnparsedEntityDeclHandlerPPC };

static void stub_XML_SetNotationDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->notationdeclhandler = (void *)regarray[9];
Self->XML_SetNotationDeclHandler(p->p, _68k_notationdeclhandler);
}
struct EmuTrap stub_XML_SetNotationDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetNotationDeclHandlerPPC };

static void stub_XML_SetNotStandaloneHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->notstandalonehandler = (void *)regarray[9];
Self->XML_SetNotStandaloneHandler(p->p, _68k_notstandalonehandler);
}
struct EmuTrap stub_XML_SetNotStandaloneHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetNotStandaloneHandlerPPC };

static int stub_XML_GetErrorCodePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetErrorCode(p->p);
}
struct EmuTrap stub_XML_GetErrorCode = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetErrorCodePPC };

static const XML_LChar * stub_XML_ErrorStringPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);

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struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

return Self->XML_ErrorString((int)regarray[0]);
}
struct EmuTrap stub_XML_ErrorString = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ErrorStringPPC };

static long stub_XML_GetCurrentByteIndexPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentByteIndex(p->p);
}
struct EmuTrap stub_XML_GetCurrentByteIndex = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentByteIndexPPC };

static int stub_XML_GetCurrentLineNumberPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentLineNumber(p->p);
}
struct EmuTrap stub_XML_GetCurrentLineNumber = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentLineNumberPPC };

static int stub_XML_GetCurrentColumnNumberPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentColumnNumber(p->p);
}
struct EmuTrap stub_XML_GetCurrentColumnNumber = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentColumnNumberPPC };

static int stub_XML_GetCurrentByteCountPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentByteCount(p->p);
}
struct EmuTrap stub_XML_GetCurrentByteCount = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentByteCountPPC };

static const char * stub_XML_GetInputContextPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetInputContext(p->p, (int *)regarray[9], (int *)regarray[10]);
}
struct EmuTrap stub_XML_GetInputContext = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetInputContextPPC };

static void stub_XML_SetUserDataPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->handlerarg = (void *)regarray[9];
}
struct EmuTrap stub_XML_SetUserData = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetUserDataPPC };

static void stub_XML_DefaultCurrentPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
Self->XML_DefaultCurrent(p->p);
}
struct EmuTrap stub_XML_DefaultCurrent = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_DefaultCurrentPPC };

static void stub_XML_UseParserAsHandlerArgPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->handlerarg = p;
}
struct EmuTrap stub_XML_UseParserAsHandlerArg = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_UseParserAsHandlerArgPPC };

static int stub_XML_SetBasePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_SetBase(p->p, (const XML_Char *)regarray[9]);
}
struct EmuTrap stub_XML_SetBase = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetBasePPC };

static const XML_Char * stub_XML_GetBasePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetBase(p->p);
}
struct EmuTrap stub_XML_GetBase = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetBasePPC };

static int stub_XML_GetSpecifiedAttributeCountPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetSpecifiedAttributeCount(p->p);
}
struct EmuTrap stub_XML_GetSpecifiedAttributeCount = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetSpecifiedAttributeCountPPC };

static int stub_XML_GetIdAttributeIndexPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetIdAttributeIndex(p->p);
}
struct EmuTrap stub_XML_GetIdAttributeIndex = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetIdAttributeIndexPPC };

static int stub_XML_SetEncodingPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_SetEncoding(p->p, (const XML_Char *)regarray[9]);
}
struct EmuTrap stub_XML_SetEncoding = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEncodingPPC };

static int stub_XML_SetParamEntityParsingPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_SetParamEntityParsing(p->p, (enum XML_ParamEntityParsing)regarray[9]);
}
struct EmuTrap stub_XML_SetParamEntityParsing = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetParamEntityParsingPPC };

static void stub_XML_SetReturnNSTripletPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
Self->XML_SetReturnNSTriplet(p->p, (int)regarray[0]);
}
struct EmuTrap stub_XML_SetReturnNSTriplet = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetReturnNSTripletPPC };

static const XML_LChar * stub_XML_ExpatVersionPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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return Self->XML_ExpatVersion();
}
struct EmuTrap stub_XML_ExpatVersion = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ExpatVersionPPC };

static XML_Expat_Version stub_XML_ExpatVersionInfoPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

return Self->XML_ExpatVersionInfo();
}
struct EmuTrap stub_XML_ExpatVersionInfo = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ExpatVersionInfoPPC };

static int stub_XML_ParserResetPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_ParserReset(p->p, (const XML_Char *)regarray[9]);
}
struct EmuTrap stub_XML_ParserReset = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserResetPPC };

static void stub_XML_SetSkippedEntityHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->skippedentityhandler = (void *)regarray[9];
Self->XML_SetSkippedEntityHandler(p->p, _68k_skippedentityhandler);
}
struct EmuTrap stub_XML_SetSkippedEntityHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetSkippedEntityHandlerPPC };

static int stub_XML_UseForeignDTDPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

```

```

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_UseForeignDTD(p->p, (XML_Bool)regarray[0]);
}
struct EmuTrap stub_XML_UseForeignDTD = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_UseForeignDTDPPC };

static const XML_Feature * stub_XML_GetFeatureListPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

return Self->XML_GetFeatureList();
}
struct EmuTrap stub_XML_GetFeatureList = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetFeatureListPPC };

static int stub_XML_StopParserPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_StopParser(p->p, (XML_Bool)regarray[0]);
}
struct EmuTrap stub_XML_StopParser = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_StopParserPPC };

static int stub_XML_ResumeParserPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_ResumeParser(p->p);
}
struct EmuTrap stub_XML_ResumeParser = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ResumeParserPPC };

static void stub_XML_GetParsingStatusPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];

```

```

Self->XML_GetParsingStatus(p->p, (XML_ParsingStatus *)regarray[9]);
}
struct EmuTrap stub_XML_GetParsingStatus = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetParsingStatusPPC };

static void stub_XML_FreeContentModelPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
Self->XML_FreeContentModel(p->p, (XML_Content *)regarray[9]);
}
struct EmuTrap stub_XML_FreeContentModel = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_FreeContentModelPPC };

static void *stub_XML_MemMallocPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_MemMalloc(p->p, (size_t)regarray[0]);
}
struct EmuTrap stub_XML_MemMalloc = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_MemMallocPPC };

static void *stub_XML_MemReallocPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_MemRealloc(p->p, (void *)regarray[9], (size_t)regarray[0]);
}
struct EmuTrap stub_XML_MemRealloc = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_MemReallocPPC };

static void stub_XML_MemFreePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];

```

```

Self->XML_MemFree(p->p, (void *)regarray[9]);
}
struct EmuTrap stub_XML_MemFree = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_MemFreePPC };

```

```

ULONG VecTable68K[] = {
(ULONG)&stub_Open,
(ULONG)&stub_Close,
(ULONG)&stub_Expunge,
(ULONG)&stub_Reserved,
(ULONG)&stub_XML_ParserCreate,
(ULONG)&stub_XML_ParserCreateNS,
(ULONG)&stub_XML_ParserCreate_MM,
(ULONG)&stub_XML_ExternalEntityParserCreate,
(ULONG)&stub_XML_ParserFree,
(ULONG)&stub_XML_Parse,
(ULONG)&stub_XML_ParseBuffer,
(ULONG)&stub_XML_GetBuffer,
(ULONG)&stub_XML_SetStartElementHandler,
(ULONG)&stub_XML_SetEndElementHandler,
(ULONG)&stub_XML_SetElementHandler,
(ULONG)&stub_XML_SetCharacterDataHandler,
(ULONG)&stub_XML_SetProcessingInstructionHandler,
(ULONG)&stub_XML_SetCommentHandler,
(ULONG)&stub_XML_SetStartCdataSectionHandler,
(ULONG)&stub_XML_SetEndCdataSectionHandler,
(ULONG)&stub_XML_SetCdataSectionHandler,
(ULONG)&stub_XML_SetDefaultHandler,
(ULONG)&stub_XML_SetDefaultHandlerExpand,
(ULONG)&stub_XML_SetExternalEntityRefHandler,
(ULONG)&stub_XML_SetExternalEntityRefHandlerArg,
(ULONG)&stub_XML_SetUnknownEncodingHandler,
(ULONG)&stub_XML_SetStartNamespaceDeclHandler,
(ULONG)&stub_XML_SetEndNamespaceDeclHandler,
(ULONG)&stub_XML_SetNamespaceDeclHandler,
(ULONG)&stub_XML_SetXmlDeclHandler,
(ULONG)&stub_XML_SetStartDoctypeDeclHandler,
(ULONG)&stub_XML_SetEndDoctypeDeclHandler,
(ULONG)&stub_XML_SetDoctypeDeclHandler,
(ULONG)&stub_XML_SetElementDeclHandler,
(ULONG)&stub_XML_SetAttlistDeclHandler,
(ULONG)&stub_XML_SetEntityDeclHandler,
(ULONG)&stub_XML_SetUnparsedEntityDeclHandler,
(ULONG)&stub_XML_SetNotationDeclHandler,
(ULONG)&stub_XML_SetNotStandaloneHandler,
(ULONG)&stub_XML_GetErrorCode,
(ULONG)&stub_XML_ErrorString,
(ULONG)&stub_XML_GetCurrentByteIndex,

```

```

(ULONG)&stub_XML_GetCurrentLineNumber,
(ULONG)&stub_XML_GetCurrentColumnNumber,
(ULONG)&stub_XML_GetCurrentByteCount,
(ULONG)&stub_XML_GetInputContext,
(ULONG)&stub_XML_SetUserData,
(ULONG)&stub_XML_DefaultCurrent,
(ULONG)&stub_XML_UseParserAsHandlerArg,
(ULONG)&stub_XML_SetBase,
(ULONG)&stub_XML_GetBase,
(ULONG)&stub_XML_GetSpecifiedAttributeCount,
(ULONG)&stub_XML_GetIdAttributeIndex,
(ULONG)&stub_XML_SetEncoding,
(ULONG)&stub_XML_SetParamEntityParsing,
(ULONG)&stub_XML_SetReturnNSTriplet,
(ULONG)&stub_XML_ExpatVersion,
(ULONG)&stub_XML_ExpatVersionInfo,
(ULONG)&stub_XML_ParserReset,
(ULONG)&stub_XML_SetSkippedEntityHandler,
(ULONG)&stub_XML_UseForeignDTD,
(ULONG)&stub_XML_GetFeatureList,
(ULONG)&stub_XML_StopParser,
(ULONG)&stub_XML_ResumeParser,
(ULONG)&stub_XML_GetParsingStatus,
(ULONG)&stub_XML_FreeContentModel,
(ULONG)&stub_XML_MemMalloc,
(ULONG)&stub_XML_MemRealloc,
(ULONG)&stub_XML_MemFree,
(ULONG)-1
};

```

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# 8.245 libexpat1-dev 2.1.0

## :7ubuntu0.16.04.5\_amd64

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/\*

\*\* Note: This file was originally automatically generated by fdtrans.

\*/

```
#ifdef __USE_INLINE__
```

```
#undef __USE_INLINE__
```

```
#endif
```

```
#include <exec/interfaces.h>
```

```
#include <exec/libraries.h>
```

```
#include <exec/emulation.h>
```

```
#include <proto/exec.h>
```

```
#include <interfaces/expat.h>
```

```
#include "expat_68k.h"
```

```
#include "expat_base.h"
```

```

STATIC ULONG stub_OpenPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct LibraryManagerInterface *Self = (struct LibraryManagerInterface *) ExtLib->ILibrary;

    return (ULONG) Self->Open(0);
}
struct EmuTrap stub_Open = { TRAPINST, TRAPTYPE, stub_OpenPPC };

```

```

STATIC ULONG stub_ClosePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct LibraryManagerInterface *Self = (struct LibraryManagerInterface *) ExtLib->ILibrary;

    return (ULONG) Self->Close();
}
struct EmuTrap stub_Close = { TRAPINST, TRAPTYPE, stub_ClosePPC };

```

```

STATIC ULONG stub_ExpungePPC(ULONG *regarray)
{
    return 0UL;
}
struct EmuTrap stub_Expunge = { TRAPINST, TRAPTYPE, stub_ExpungePPC };

```

```

STATIC ULONG stub_ReservedPPC(ULONG *regarray)
{
    return 0UL;
}
struct EmuTrap stub_Reserved = { TRAPINST, TRAPTYPE, stub_ReservedPPC };

```

```

static M68kXML_Parser stub_XML_ParserCreatePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p;
    p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
    if (p) {
        p->p = Self->XML_ParserCreate((const XML_Char *)regarray[8]);
        if (p->p) {
            p->IExec = IExec;
            Self->XML_SetUserData(p->p, p);
            return p;
        }
    }
}

```

```

    }
    IExec->FreeVec(p);
}
return NULL;
}
struct EmuTrap stub_XML_ParserCreate = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserCreatePPC };

static M68kXML_Parser stub_XML_ParserCreateNSPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p;
    p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
    if (p) {
        p->p = Self->XML_ParserCreateNS((const XML_Char *)regarray[8], (XML_Char)regarray[0]);
        if (p->p) {
            p->IExec = IExec;
            Self->XML_SetUserData(p->p, p);
            return p;
        }
        IExec->FreeVec(p);
    }
    return NULL;
}
struct EmuTrap stub_XML_ParserCreateNS = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserCreateNSPPC };

static M68kXML_Parser stub_XML_ParserCreate_MMPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p;
    p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
    if (p) {
        p->p = Self->XML_ParserCreate_MM((const XML_Char *)regarray[8],
            (const XML_Memory_Handling_Suite *)regarray[9],
            (const XML_Char *)regarray[10]);
        if (p->p) {
            p->IExec = IExec;
            Self->XML_SetUserData(p->p, p);
            return p;
        }
    }
}

```

```

    }
    IExec->FreeVec(p);
}
return NULL;
}
struct EmuTrap stub_XML_ParserCreate_MM = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserCreate_MMPPC };

static M68kXML_Parser stub_XML_ExternalEntityParserCreatePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p;
    p = IExec->AllocVec(sizeof(*p), MEMF_SHARED|MEMF_CLEAR);
    if (p) {
        p->p = Self->XML_ExternalEntityParserCreate((XML_Parser)regarray[8],
            (const XML_Char *)regarray[9], (const XML_Char *)regarray[10]);
        if (p->p) {
            p->IExec = IExec;
            Self->XML_SetUserData(p->p, p);
            return p;
        }
        IExec->FreeVec(p);
    }
    return NULL;
}
struct EmuTrap stub_XML_ExternalEntityParserCreate = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ExternalEntityParserCreatePPC };

static void stub_XML_ParserFreePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;
    struct ExecIFace *IExec = ((struct ExpatBase *)Self->Data.LibBase)->IExec;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    if (p) {
        Self->XML_ParserFree(p->p);
        IExec->FreeVec(p);
    }
}
struct EmuTrap stub_XML_ParserFree = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserFreePPC };

```

```

static int stub_XML_ParsePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    Self->XML_SetUserData(p->p, p);
    return Self->XML_Parse(p->p, (const char *)regarray[9], (int)regarray[0], (int)regarray[1]);
}
struct EmuTrap stub_XML_Parse = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG *))stub_XML_ParsePPC };

static int stub_XML_ParseBufferPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_ParseBuffer(p->p, (int)regarray[0], (int)regarray[1]);
}
struct EmuTrap stub_XML_ParseBuffer = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParseBufferPPC };

static void * stub_XML_GetBufferPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_GetBuffer(p->p, (int)regarray[0]);
}
struct EmuTrap stub_XML_GetBuffer = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetBufferPPC };

static void stub_XML_SetStartElementHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->startelementhandler = (void *)regarray[9];
    Self->XML_SetStartElementHandler(p->p, _68k_startelementhandler);
}
struct EmuTrap stub_XML_SetStartElementHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartElementHandlerPPC };

```

```

static void stub_XML_SetEndElementHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->endelementhandler = (void *)regarray[9];
    Self->XML_SetEndElementHandler(p->p, _68k_endelementhandler);
}
struct EmuTrap stub_XML_SetEndElementHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndElementHandlerPPC };

```

```

static void stub_XML_SetElementHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->startelementhandler = (void *)regarray[9];
    p->endelementhandler = (void *)regarray[10];
    Self->XML_SetElementHandler(p->p, _68k_startelementhandler, _68k_endelementhandler);
}
struct EmuTrap stub_XML_SetElementHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetElementHandlerPPC };

```

```

static void stub_XML_SetCharacterDataHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->chardatahandler = (void *)regarray[9];
    Self->XML_SetCharacterDataHandler(p->p, _68k_chardatahandler);
}
struct EmuTrap stub_XML_SetCharacterDataHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetCharacterDataHandlerPPC };

```

```

static void stub_XML_SetProcessingInstructionHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];

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p->procinsthandler = (void *)regarray[9];
Self->XML_SetProcessingInstructionHandler(p->p, _68k_procinsthandler);
}
struct EmuTrap stub_XML_SetProcessingInstructionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetProcessingInstructionHandlerPPC };

static void stub_XML_SetCommentHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->commenthandler = (void *)regarray[9];
Self->XML_SetCommentHandler(p->p, _68k_commenthandler);
}
struct EmuTrap stub_XML_SetCommentHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetCommentHandlerPPC };

static void stub_XML_SetStartCdataSectionHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startcdatahandler = (void *)regarray[9];
Self->XML_SetStartCdataSectionHandler(p->p, _68k_startcdatahandler);
}
struct EmuTrap stub_XML_SetStartCdataSectionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartCdataSectionHandlerPPC };

static void stub_XML_SetEndCdataSectionHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->endcdatahandler = (void *)regarray[9];
Self->XML_SetEndCdataSectionHandler(p->p, _68k_endcdatahandler);
}
struct EmuTrap stub_XML_SetEndCdataSectionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndCdataSectionHandlerPPC };

static void stub_XML_SetCdataSectionHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];

```



```

struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startcdatahandler = (void *)regarray[9];
p->endcdatahandler = (void *)regarray[10];
Self->XML_SetCdataSectionHandler(p->p, _68k_startcdatahandler, _68k_endcdatahandler);
}
struct EmuTrap stub_XML_SetCdataSectionHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetCdataSectionHandlerPPC };

static void stub_XML_SetDefaultHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->defaulthandler = (void *)regarray[9];
Self->XML_SetDefaultHandler(p->p, _68k_defaulthandler);
}
struct EmuTrap stub_XML_SetDefaultHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetDefaultHandlerPPC };

static void stub_XML_SetDefaultHandlerExpandPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->defaulthandlerexp = (void *)regarray[9];
Self->XML_SetDefaultHandlerExpand(p->p, _68k_defaulthandlerexp);
}
struct EmuTrap stub_XML_SetDefaultHandlerExpand = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetDefaultHandlerExpandPPC };

static void stub_XML_SetExternalEntityRefHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->extentrefhandler = (void *)regarray[9];
Self->XML_SetExternalEntityRefHandler(p->p, _68k_extentrefhandler);
}
struct EmuTrap stub_XML_SetExternalEntityRefHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG

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```

*))stub_XML_SetExternalEntityRefHandlerPPC };

static void stub_XML_SetExternalEntityRefHandlerArgPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->extenthandlerarg = (void *)regarray[9];
}
struct EmuTrap stub_XML_SetExternalEntityRefHandlerArg = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetExternalEntityRefHandlerArgPPC };

static void stub_XML_SetUnknownEncodingHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->unknownenchanandler = (void *)regarray[9];
    p->enchanandlerarg = (void *)regarray[10];
    Self->XML_SetUnknownEncodingHandler(p->p, _68k_unknownenchanandler, p);
}
struct EmuTrap stub_XML_SetUnknownEncodingHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetUnknownEncodingHandlerPPC };

static void stub_XML_SetStartNamespaceDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->startnamespacehandler = (void *)regarray[9];
    Self->XML_SetStartNamespaceDeclHandler(p->p, _68k_startnamespacehandler);
}
struct EmuTrap stub_XML_SetStartNamespaceDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartNamespaceDeclHandlerPPC };

static void stub_XML_SetEndNamespaceDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];

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p->endnamespacehandler = (void *)regarray[9];
Self->XML_SetEndNamespaceDeclHandler(p->p, _68k_endnamespacehandler);
}
struct EmuTrap stub_XML_SetEndNamespaceDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndNamespaceDeclHandlerPPC };

static void stub_XML_SetNamespaceDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startnamespacehandler = (void *)regarray[9];
p->endnamespacehandler = (void *)regarray[10];
Self->XML_SetNamespaceDeclHandler(p->p, _68k_startnamespacehandler, _68k_endnamespacehandler);
}
struct EmuTrap stub_XML_SetNamespaceDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetNamespaceDeclHandlerPPC };

static void stub_XML_SetXmlDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->xmldeclhandler = (void *)regarray[9];
Self->XML_SetXmlDeclHandler(p->p, _68k_xmldeclhandler);
}
struct EmuTrap stub_XML_SetXmlDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetXmlDeclHandlerPPC };

static void stub_XML_SetStartDoctypeDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startdoctypehandler = (void *)regarray[9];
Self->XML_SetStartDoctypeDeclHandler(p->p, _68k_startdoctypehandler);
}
struct EmuTrap stub_XML_SetStartDoctypeDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetStartDoctypeDeclHandlerPPC };

static void stub_XML_SetEndDoctypeDeclHandlerPPC(ULONG *regarray)
{

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struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->enddoctypehandler = (void *)regarray[9];
Self->XML_SetEndDoctypeDeclHandler(p->p, _68k_enddoctypehandler);
}
struct EmuTrap stub_XML_SetEndDoctypeDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEndDoctypeDeclHandlerPPC };

static void stub_XML_SetDoctypeDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->startdoctypehandler = (void *)regarray[9];
p->enddoctypehandler = (void *)regarray[10];
Self->XML_SetDoctypeDeclHandler(p->p, _68k_startdoctypehandler, _68k_enddoctypehandler);
}
struct EmuTrap stub_XML_SetDoctypeDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetDoctypeDeclHandlerPPC };

static void stub_XML_SetElementDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->elementdeclhandler = (void *)regarray[9];
Self->XML_SetElementDeclHandler(p->p, _68k_elementdeclhandler);
}
struct EmuTrap stub_XML_SetElementDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetElementDeclHandlerPPC };

static void stub_XML_SetAttlistDeclHandlerPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->attlistdeclhandler = (void *)regarray[9];
Self->XML_SetAttlistDeclHandler(p->p, _68k_attlistdeclhandler);
}

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```

struct EmuTrap stub_XML_SetAttlistDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetAttlistDeclHandlerPPC };

static void stub_XML_SetEntityDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->entitydeclhandler = (void *)regarray[9];
    Self->XML_SetEntityDeclHandler(p->p, _68k_entitydeclhandler);
}
struct EmuTrap stub_XML_SetEntityDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEntityDeclHandlerPPC };

static void stub_XML_SetUnparsedEntityDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->unparseddeclhandler = (void *)regarray[9];
    Self->XML_SetUnparsedEntityDeclHandler(p->p, _68k_unparseddeclhandler);
}
struct EmuTrap stub_XML_SetUnparsedEntityDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetUnparsedEntityDeclHandlerPPC };

static void stub_XML_SetNotationDeclHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->notationdeclhandler = (void *)regarray[9];
    Self->XML_SetNotationDeclHandler(p->p, _68k_notationdeclhandler);
}
struct EmuTrap stub_XML_SetNotationDeclHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetNotationDeclHandlerPPC };

static void stub_XML_SetNotStandaloneHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->notstandalonehandler = (void *)regarray[9];
Self->XML_SetNotStandaloneHandler(p->p, _68k_notstandalonehandler);
}
struct EmuTrap stub_XML_SetNotStandaloneHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetNotStandaloneHandlerPPC };

static int stub_XML_GetErrorCodePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetErrorCode(p->p);
}
struct EmuTrap stub_XML_GetErrorCode = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetErrorCodePPC };

static const XML_LChar * stub_XML_ErrorStringPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

return Self->XML_ErrorString((int)regarray[0]);
}
struct EmuTrap stub_XML_ErrorString = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ErrorStringPPC };

static long stub_XML_GetCurrentByteIndexPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentByteIndex(p->p);
}
struct EmuTrap stub_XML_GetCurrentByteIndex = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentByteIndexPPC };

static int stub_XML_GetCurrentLineNumberPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentLineNumber(p->p);
}
struct EmuTrap stub_XML_GetCurrentLineNumber = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentLineNumberPPC };

static int stub_XML_GetCurrentColumnNumberPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentColumnNumber(p->p);
}
struct EmuTrap stub_XML_GetCurrentColumnNumber = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentColumnNumberPPC };

static int stub_XML_GetCurrentByteCountPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetCurrentByteCount(p->p);
}
struct EmuTrap stub_XML_GetCurrentByteCount = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetCurrentByteCountPPC };

static const char * stub_XML_GetInputContextPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetInputContext(p->p, (int *)regarray[9], (int *)regarray[10]);
}
struct EmuTrap stub_XML_GetInputContext = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetInputContextPPC };

static void stub_XML_SetUserDataPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->handlerarg = (void *)regarray[9];
}
struct EmuTrap stub_XML_SetUserData = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetUserDataPPC };

static void stub_XML_DefaultCurrentPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
Self->XML_DefaultCurrent(p->p);
}
struct EmuTrap stub_XML_DefaultCurrent = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_DefaultCurrentPPC };

static void stub_XML_UseParserAsHandlerArgPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
p->handlerarg = p;
}
struct EmuTrap stub_XML_UseParserAsHandlerArg = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_UseParserAsHandlerArgPPC };

static int stub_XML_SetBasePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_SetBase(p->p, (const XML_Char *)regarray[9]);
}
struct EmuTrap stub_XML_SetBase = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetBasePPC };

static const XML_Char * stub_XML_GetBasePPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetBase(p->p);
}
struct EmuTrap stub_XML_GetBase = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetBasePPC };

static int stub_XML_GetSpecifiedAttributeCountPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetSpecifiedAttributeCount(p->p);
}
struct EmuTrap stub_XML_GetSpecifiedAttributeCount = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetSpecifiedAttributeCountPPC };

static int stub_XML_GetIdAttributeIndexPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_GetIdAttributeIndex(p->p);
}
struct EmuTrap stub_XML_GetIdAttributeIndex = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetIdAttributeIndexPPC };

static int stub_XML_SetEncodingPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_SetEncoding(p->p, (const XML_Char *)regarray[9]);
}
struct EmuTrap stub_XML_SetEncoding = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetEncodingPPC };

static int stub_XML_SetParamEntityParsingPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

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M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_SetParamEntityParsing(p->p, (enum XML_ParamEntityParsing)regarray[9]);
}
struct EmuTrap stub_XML_SetParamEntityParsing = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetParamEntityParsingPPC };

static void stub_XML_SetReturnNSTripletPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
Self->XML_SetReturnNSTriplet(p->p, (int)regarray[0]);
}
struct EmuTrap stub_XML_SetReturnNSTriplet = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetReturnNSTripletPPC };

static const XML_LChar * stub_XML_ExpatVersionPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

return Self->XML_ExpatVersion();
}
struct EmuTrap stub_XML_ExpatVersion = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ExpatVersionPPC };

static XML_Expat_Version stub_XML_ExpatVersionInfoPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

return Self->XML_ExpatVersionInfo();
}
struct EmuTrap stub_XML_ExpatVersionInfo = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ExpatVersionInfoPPC };

static int stub_XML_ParserResetPPC(ULONG *regarray)
{
struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

M68kXML_Parser p = (M68kXML_Parser)regarray[8];
return Self->XML_ParserReset(p->p, (const XML_Char *)regarray[9]);
}

```

```

}
struct EmuTrap stub_XML_ParserReset = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ParserResetPPC };

static void stub_XML_SetSkippedEntityHandlerPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    p->skippedentityhandler = (void *)regarray[9];
    Self->XML_SetSkippedEntityHandler(p->p, _68k_skippedentityhandler);
}
struct EmuTrap stub_XML_SetSkippedEntityHandler = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_SetSkippedEntityHandlerPPC };

static int stub_XML_UseForeignDTDPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_UseForeignDTD(p->p, (XML_Bool)regarray[0]);
}
struct EmuTrap stub_XML_UseForeignDTD = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_UseForeignDTDPPC };

static const XML_Feature * stub_XML_GetFeatureListPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    return Self->XML_GetFeatureList();
}
struct EmuTrap stub_XML_GetFeatureList = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetFeatureListPPC };

static int stub_XML_StopParserPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_StopParser(p->p, (XML_Bool)regarray[0]);
}

```

```

}
struct EmuTrap stub_XML_StopParser = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_StopParserPPC };

static int stub_XML_ResumeParserPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_ResumeParser(p->p);
}
struct EmuTrap stub_XML_ResumeParser = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_ResumeParserPPC };

static void stub_XML_GetParsingStatusPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    Self->XML_GetParsingStatus(p->p, (XML_ParsingStatus *)regarray[9]);
}
struct EmuTrap stub_XML_GetParsingStatus = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_GetParsingStatusPPC };

static void stub_XML_FreeContentModelPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    Self->XML_FreeContentModel(p->p, (XML_Content *)regarray[9]);
}
struct EmuTrap stub_XML_FreeContentModel = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_FreeContentModelPPC };

static void *stub_XML_MemMallocPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_MemMalloc(p->p, (size_t)regarray[0]);
}

```

```

}
struct EmuTrap stub_XML_MemMalloc = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_MemMallocPPC };

static void *stub_XML_MemReallocPPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    return Self->XML_MemRealloc(p->p, (void *)regarray[9], (size_t)regarray[0]);
}
struct EmuTrap stub_XML_MemRealloc = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_MemReallocPPC };

static void stub_XML_MemFreePPC(ULONG *regarray)
{
    struct Library *Base = (struct Library *) regarray[REG68K_A6/4];
    struct ExtendedLibrary *ExtLib = (struct ExtendedLibrary *) ((ULONG)Base + Base->lib_PosSize);
    struct ExpatIFace *Self = (struct ExpatIFace *) ExtLib->MainIFace;

    M68kXML_Parser p = (M68kXML_Parser)regarray[8];
    Self->XML_MemFree(p->p, (void *)regarray[9]);
}
struct EmuTrap stub_XML_MemFree = { TRAPINST, TRAPTYPE, (ULONG (*)(ULONG
*))stub_XML_MemFreePPC };

ULONG VecTable68K[] = {
    (ULONG)&stub_Open,
    (ULONG)&stub_Close,
    (ULONG)&stub_Expunge,
    (ULONG)&stub_Reserved,
    (ULONG)&stub_XML_ParserCreate,
    (ULONG)&stub_XML_ParserCreateNS,
    (ULONG)&stub_XML_ParserCreate_MM,
    (ULONG)&stub_XML_ExternalEntityParserCreate,
    (ULONG)&stub_XML_ParserFree,
    (ULONG)&stub_XML_Parse,
    (ULONG)&stub_XML_ParseBuffer,
    (ULONG)&stub_XML_GetBuffer,
    (ULONG)&stub_XML_SetStartElementHandler,
    (ULONG)&stub_XML_SetEndElementHandler,
    (ULONG)&stub_XML_SetElementHandler,
    (ULONG)&stub_XML_SetCharacterDataHandler,
    (ULONG)&stub_XML_SetProcessingInstructionHandler,
    (ULONG)&stub_XML_SetCommentHandler,
    (ULONG)&stub_XML_SetStartCdataSectionHandler,

```

(ULONG)&stub\_XML\_SetEndCdataSectionHandler,  
(ULONG)&stub\_XML\_SetCdataSectionHandler,  
(ULONG)&stub\_XML\_SetDefaultHandler,  
(ULONG)&stub\_XML\_SetDefaultHandlerExpand,  
(ULONG)&stub\_XML\_SetExternalEntityRefHandler,  
(ULONG)&stub\_XML\_SetExternalEntityRefHandlerArg,  
(ULONG)&stub\_XML\_SetUnknownEncodingHandler,  
(ULONG)&stub\_XML\_SetStartNamespaceDeclHandler,  
(ULONG)&stub\_XML\_SetEndNamespaceDeclHandler,  
(ULONG)&stub\_XML\_SetNamespaceDeclHandler,  
(ULONG)&stub\_XML\_SetXmlDeclHandler,  
(ULONG)&stub\_XML\_SetStartDoctypeDeclHandler,  
(ULONG)&stub\_XML\_SetEndDoctypeDeclHandler,  
(ULONG)&stub\_XML\_SetDoctypeDeclHandler,  
(ULONG)&stub\_XML\_SetElementDeclHandler,  
(ULONG)&stub\_XML\_SetAttlistDeclHandler,  
(ULONG)&stub\_XML\_SetEntityDeclHandler,  
(ULONG)&stub\_XML\_SetUnparsedEntityDeclHandler,  
(ULONG)&stub\_XML\_SetNotationDeclHandler,  
(ULONG)&stub\_XML\_SetNotStandaloneHandler,  
(ULONG)&stub\_XML\_GetErrorCode,  
(ULONG)&stub\_XML\_ErrorString,  
(ULONG)&stub\_XML\_GetCurrentByteIndex,  
(ULONG)&stub\_XML\_GetCurrentLineNumber,  
(ULONG)&stub\_XML\_GetCurrentColumnNumber,  
(ULONG)&stub\_XML\_GetCurrentByteCount,  
(ULONG)&stub\_XML\_GetInputContext,  
(ULONG)&stub\_XML\_SetUserData,  
(ULONG)&stub\_XML\_DefaultCurrent,  
(ULONG)&stub\_XML\_UseParserAsHandlerArg,  
(ULONG)&stub\_XML\_SetBase,  
(ULONG)&stub\_XML\_GetBase,  
(ULONG)&stub\_XML\_GetSpecifiedAttributeCount,  
(ULONG)&stub\_XML\_GetIdAttributeIndex,  
(ULONG)&stub\_XML\_SetEncoding,  
(ULONG)&stub\_XML\_SetParamEntityParsing,  
(ULONG)&stub\_XML\_SetReturnNSTriplet,  
(ULONG)&stub\_XML\_ExpatVersion,  
(ULONG)&stub\_XML\_ExpatVersionInfo,  
(ULONG)&stub\_XML\_ParserReset,  
(ULONG)&stub\_XML\_SetSkippedEntityHandler,  
(ULONG)&stub\_XML\_UseForeignDTD,  
(ULONG)&stub\_XML\_GetFeatureList,  
(ULONG)&stub\_XML\_StopParser,  
(ULONG)&stub\_XML\_ResumeParser,  
(ULONG)&stub\_XML\_GetParsingStatus,  
(ULONG)&stub\_XML\_FreeContentModel,  
(ULONG)&stub\_XML\_MemMalloc,

```
(ULONG)&stub_XML_MemRealloc,  
(ULONG)&stub_XML_MemFree,  
(ULONG)-1  
};
```

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## **8.246 libgdk-pixbuf2.0-0 2.32.2-1ubuntu1.6\_amd64**

## **8.247 libgdk-pixbuf2.0-common 2.32.2-1ubuntu1.6**

## 8.248 libglib2.0-0 2.48.2-0ubuntu4.4\_amd64

## 8.249 libglib2.0-data 2.48.2-0ubuntu4.4

## 8.250 libicu-dev 55.1 :7ubuntu0.4

### 8.250.1 Available under license :

This package was debianized by Jay Berkenbilt <qjb@debian.org> on August 5, 2005.

The packaging was taken over by Laszlo Boszormenyi (GCS) <gcs@debian.org> on Tue, 17 Mar 2015.

The original source was downloaded from  
[http://icu-project.org/download/latest\\_milestone.html](http://icu-project.org/download/latest_milestone.html)

The main web site for ICU is  
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```
## -*-makefile*-  
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)  
## Copyright (c) 1999-2013, International Business Machines Corporation and  
## others. All Rights Reserved.  
  
## 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
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%. $(SO).$(SO_TARGET_VERSION_MAJOR): %. $(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%. $(SO): %. $(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}. $(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

```

```
## End BSD-specific setup
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>ICU License - ICU 1.8.1 and later</title>
</head>

<body BGCOLOR="#ffffff">
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```

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Name: libjpeg-turbo

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```
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lap.pod

mpi-test.pod

prime.txt

prng.pod

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```

```
*/
```

```
package org.jvnet.libpam;
```

```
import org.junit.*;
```

```
import junit.framework.Assert;
```

```
public class UnixUserTest {
```

```
    private UnixUser user = null;
```

```
    @Before
```

```
    public void setUp() throws PAMException {
```

```
        user = new UnixUser("root");
```

```
    }
```

```
    @Test
```

```
    public void testGetUserName() {
```

```
        Assert.assertEquals("root", user.getUserName());
```

```
    }
```

```
    @Test
```

```
    public void testGetDir() {
```

```
        Assert.assertNotNull(user.getDir());
```

```
    }
```

```
    @Test
```

```
    public void testGetUID() {
```

```
        Assert.assertEquals(0, user.getUID());
```

```
    }
```

```
}
```

```
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Because the SQLite software found at <http://www.sqlite.org/> is in the public domain, anyone is free to download the SQLite software from that website, make changes to the software, use, distribute, or sell the modified software, under either the original name or under some new name, without any need to obtain permission, pay royalties, acknowledge the original source of the software, or in any other way compensate, identify, or notify the original authors. Nobody is in any way compelled to contribute their SQLite changes and

enhancements back to the SQLite website. This document concerns only changes and enhancements to SQLite that are intentionally and deliberately contributed back to the SQLite website.

</p>

<p>

For the purposes of this document, "SQLite software" shall mean any computer source code, documentation, makefiles, test scripts, or other information that is published on the SQLite website, <http://www.sqlite.org/>. Precompiled binaries are excluded from the definition of "SQLite software" in this document because the process of compiling the software may introduce information from outside sources which is not properly a part of SQLite.

</p>

<p>

The header comments on the SQLite source files exhort the reader to share freely and to never take more than one gives.

In the spirit of that exhortation I make the following declarations:

</p>

<ol>

<li><p>

I dedicate to the public domain any and all copyright interest in the SQLite software that was publicly available on the SQLite website (<http://www.sqlite.org/>) prior to the date of the signature below and any changes or enhancements to the SQLite software that I may cause to be published on that website in the future. I make this dedication for the benefit of the public at large and to the detriment of my heirs and successors. I intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to the SQLite software under copyright law.

</p></li>

<li><p>

To the best of my knowledge and belief, the changes and enhancements that I have contributed to SQLite are either originally written by me or are derived from prior works which I have verified are also in the public domain and are not subject to claims of copyright by other parties.

</p></li>

<li><p>

To the best of my knowledge and belief, no individual, business, organization, government, or other entity has any copyright interest in the SQLite software as it existed on the

SQLite website as of the date on the signature line below.

</p></li>

<li><p>

I agree never to publish any additional information to the SQLite website (by CVS, email, scp, FTP, or any other means) unless that information is an original work of authorship by me or is derived from prior published versions of SQLite.

I agree never to copy and paste code into the SQLite code base from other sources.

I agree never to publish on the SQLite website any information that would violate a law or breach a contract.

</p></li>

</ol>

<p>

<table width="100%" cellpadding="0" cellspacing="0">

<tr>

<td width="60%" valign="top">

Signature:

<p>&nbsp;</p>

<p>&nbsp;</p>

<p>&nbsp;</p>

</td><td valign="top" align="left">

Date:

</td></tr>

<td colspan=2>

Name (printed):

</td>

</tr>

</table>

</body>

</html>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">

<html><head>

<meta http-equiv="content-type" content="text/html; charset=UTF-8">

<title>SQLite Copyright</title>

<style type="text/css">

body {

margin: auto;

font-family: Verdana, sans-serif;

padding: 8px 1%;

}

a { color: #044a64 }

a:visited { color: #734559 }

.logo { position:absolute; margin:3px; }

```

.tagline {
float:right;
text-align:right;
font-style:italic;
width:300px;
margin:12px;
margin-top:58px;
}

.menubar {
clear: both;
border-radius: 8px;
background: #044a64;
padding: 0px;
margin: 0px;
cell-spacing: 0px;
}

.toolbar {
text-align: center;
line-height: 1.6em;
margin: 0;
padding: 0px 8px;
}

.toolbar a { color: white; text-decoration: none; padding: 6px 12px; }
.toolbar a:visited { color: white; }
.toolbar a:hover { color: #044a64; background: white; }

.content { margin: 5%; }
.content dt { font-weight:bold; }
.content dd { margin-bottom: 25px; margin-left:20%; }
.content ul { padding:0px; padding-left: 15px; margin:0px; }

/* Things for "fancyformat" documents start here. */
.fancy img+p { font-style:italic }
.fancy .codeblock i { color: darkblue; }
.fancy h1,.fancy h2,.fancy h3,.fancy h4 { font-weight:normal;color:#044a64 }
.fancy h2 { margin-left: 10px }
.fancy h3 { margin-left: 20px }
.fancy h4 { margin-left: 30px }
.fancy th { white-space:nowrap;text-align:left;border-bottom:solid 1px #444 }
.fancy th, .fancy td {padding: 0.2em 1ex; vertical-align:top}
.fancy #toc a { color: darkblue ; text-decoration: none }
.fancy .todo { color: #AA3333 ; font-style : italic }
.fancy .todo:before { content: 'TODO:' }
.fancy p.todo { border: solid #AA3333 1px; padding: 1ex }
.fancy img { display:block; }
.fancy :link:hover, .fancy :visited:hover { background: wheat }
.fancy p,.fancy ul,.fancy ol,.fancy dl { margin: 1em 5ex }

```

```

.fancy li p { margin: 1em 0 }
/* End of "fancyformat" specific rules. */

.yyterm {
background: #fff;
border: 1px solid #000;
border-radius: 11px;
padding-left: 4px;
padding-right: 4px;
}
</style>

</head>
<body>
<div><!-- container div to satisfy validator -->

<a href="index.html">
</a>
<div><!-- IE hack to prevent disappearing logo--></div>
<div class="tagline">Small. Fast. Reliable.<br>Choose any three.</div>

<table width=100% class="menubar"><tr>
<td width=100%>
<div class="toolbar">
<a href="about.html">About</a>
<a href="docs.html">Documentation</a>
<a href="download.html">Download</a>
<a href="copyright.html">License</a>
<a href="support.html">Support</a>
<a href="http://www.hwaci.com/sw/sqlite/prosupport.html">Purchase</a>
</div>
<script>
gMsg = "Search SQLite Docs..."
function entersearch() {
var q = document.getElementById("q");
if( q.value == gMsg ) { q.value = "" }
q.style.color = "black"
q.style.fontStyle = "normal"
}
function leavesearch() {
var q = document.getElementById("q");
if( q.value == "" ) {
q.value = gMsg
q.style.color = "#044a64"
q.style.fontStyle = "italic"
}
}
}

```

```

function hideorshow(btn,obj){
  var x = document.getElementById(obj);
  var b = document.getElementById(btn);
  if( x.style.display!='none' ){
    x.style.display = 'none';
    b.innerHTML='show';
  }else{
    x.style.display = "";
    b.innerHTML='hide';
  }
  return false;
}
</script>
<td>
  <div style="padding:0 1em 0px 0;white-space:nowrap">
    <form name=f method="GET" action="https://www.sqlite.org/search">
      <input id=q name=q type=text
        onfocus="entersearch()" onblur="leavesearch()" style="width:24ex;padding:1px 1ex; border:solid white 1px;
font-size:0.9em ; font-style:italic;color:#044a64;" value="Search SQLite Docs...">
      <input type=submit value="Go" style="border:solid white 1px;background-color:#044a64;color:white;font-
size:0.9em;padding:0 1ex">
    </form>
  </div>
</td>

<div class=startsearch></div>

```

```
<h2>SQLite Is Public Domain</h2>
```

```

<table align="right" vspace="0" hspace="10" border="1" cellpadding="20">
<tr><td align="center">
<br>
SQLite is in the<br>
<a href="http://en.wikipedia.org/wiki/Public_Domain">Public Domain</a>
</td></tr>
</table>

```

```
<p>
```

All of the code and documentation in SQLite has been dedicated to the  
[public domain](http://en.wikipedia.org/wiki/Public_Domain)  
by the authors.

All code authors, and representatives of the companies they work for,  
have signed affidavits dedicating their contributions to  
the public domain and originals of  
those signed affidavits are stored in a firesafe at the main offices  
of [Hwaci](http://www.hwaci.com).

Anyone is free to copy, modify, publish, use, compile, sell, or distribute the original SQLite code, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

</p>

<p>

The previous paragraph applies to the deliverable code and documentation in SQLite - those parts of the SQLite library that you actually bundle and ship with a larger application. Some scripts used as part of the build process (for example the "configure" scripts generated by autoconf) might fall under other open-source licenses. Nothing from these build scripts ever reaches the final deliverable SQLite library, however, and so the licenses associated with those scripts should not be a factor in assessing your rights to copy and use the SQLite library.

</p>

<p>

All of the deliverable code in SQLite has been written from scratch. No code has been taken from other projects or from the open internet. Every line of code can be traced back to its original author, and all of those authors have public domain dedications on file. So the SQLite code base is clean and is uncontaminated with licensed code from other projects.

</p>

<table border=0 align='right'>

<tr><td>

<form method="GET" action="http://www.hwaci.com/cgi-bin/license-step1">

<input type="submit" value="Buy An SQLite License">

</form>

</table>

<h2>Obtaining An License To Use SQLite</h2>

<p>

Even though SQLite is in the public domain and does not require a license, some users want to obtain a license anyway. Some reasons for obtaining a license include:

</p>

<ul>

<li> Your company desires warranty of title and indemnity against claims of copyright infringement.

<li> You are using SQLite in a jurisdiction that does not recognize the public domain. </li>

<li> You are using SQLite in a jurisdiction that does not recognize the right of an author to dedicate their work to the public domain. </li>



- <li> You want to hold a tangible legal document as evidence that you have the legal right to use and distribute SQLite. </li>
  - <li> Your legal department tells you that you have to purchase a license. </li>
- </ul>

<p>  
If you feel like you really need to purchase a license for SQLite, <a href="http://www.hwaci.com/">Hwaci</a>, the company that employs the architect and principal developers of SQLite, will <a href="http://www.hwaci.com/cgi-bin/license-step1">sell you one</a>. All proceeds from the sale of SQLite licenses are used to fund further improvements to SQLite.  
</p>

## <h2>Contributed Code</h2>

<p>  
In order to keep SQLite completely free and unencumbered by copyright, all new contributors to the SQLite code base are asked to dedicate their contributions to the public domain. If you want to send a patch or enhancement for possible inclusion in the SQLite source tree, please accompany the patch with the following statement:  
</p>

<blockquote><i>  
The author or authors of this code dedicate any and all copyright interest in this code to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this code under copyright law.  
</i></blockquote>

<p>  
We are not able to accept patches or changes to SQLite that are not accompanied by a statement such as the above. In addition, if you make changes or enhancements as an employee, then a simple statement such as the above is insufficient. You must also send by surface mail a copyright release signed by a company officer. A signed original of the copyright release should be mailed to:</p>

<blockquote>  
Hwaci<br>  
6200 Maple Cove Lane<br>  
Charlotte, NC 28269<br>

USA

</blockquote>

<p>

A template copyright release is available  
in [PDF](copyright-release.pdf) or  
[HTML](copyright-release.html).  
You can use this release to make future changes.

</p>

The author disclaims copyright to this source code. In place of  
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May you find forgiveness for yourself and forgive others.

May you share freely, never taking more than you give.

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: sqlite3

Source: <http://www.sqlite.org/cgi/src/dir?ci=trunk>

Files: \*

Copyright: D. Richard Hipp <drh@hwaci.com>

License: public-domain

The files listed have been put on the public domain by the sqlite3  
contributors.

Files: debian/\*

Copyright: 2006- Laszlo Boszormenyi (GCS) <gcs@debian.org>,

2005-2006 Tomas Fasth <tomfa@debian.org>,

2001-2005 Andreas Rottmann <rotty@debian.org>

License: GPL-2+

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a legal notice, here is a blessing:

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May you find forgiveness for yourself and forgive others.  
May you share freely, never taking more than you give.

## 8.266 libsystemd0:amd64 229-4ubuntu21.16

### 8.266.1 Available under license :

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Version 2.1, February 1999

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the version number 2.1.]

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For example, if you distribute copies of the library, whether gratis

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

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

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

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

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

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"Source code" for a work means the preferred form of the work for

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

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

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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.

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

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

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

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

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

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

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

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

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

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work



during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally

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

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

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

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## 8.272 libtool 2.4.6 :0.1

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## 8.274 libxcursor1 1.1.14 :1ubuntu0.16.04.1

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## 8.276 libxt 1:1.1.5 :1

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## 8.277 libxtst 2:1.2.2-1

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## 8.278 libzmq5 4.1.4-7ubuntu0.1\_amd64

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Source: <http://zeromq.org>

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src/options.\*

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src/encoder.cpp

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## 8.280 Log4j 1.2.16

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#foreach ( $license in $project.licenses)
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#set ( $artId = $project.artifact.artifactId )
#set ( $lf = $locator )
#set ( $url = $license.url )
## glass fish URL is now invalid, use a fixed one
#if ($url == "https://glassfish.dev.java.net/public/CDDLv1.0.html")
#set ( $url = 'https://glassfish.java.net/public/CDDLv1.0.html' )
#end
#if ($url)
#set ( $licFile = 'lib/' + $artId + '.license' )
#set ( $downloaded = $lf.getResourceAsFile($url, "licenses/${licFile}") )
#end

$project.name #if ($project.url)($project.url)#end $project.artifact
License: $license.name #if ($url) $url ($licFile)#end

#end
#end
#end
```

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-->

```
<project>
  <modelVersion>4.0.0</modelVersion>
```

<!--

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-->

```
<parent>
  <groupId>org.apache.maven.its.mng3843</groupId>
  <artifactId>parent-1</artifactId>
  <version>0.1</version>
</parent>
```

```
<groupId>org.apache.maven.its.mng3843.child</groupId>
<artifactId>child-2</artifactId>
<version>0.2</version>
<packaging>jar</packaging>
```

```
<licenses>
  <license>
    <name>child-license</name>
    <url>http://child.url/license</url>
    <distribution>repo</distribution>
  </license>
</licenses>
```

```
</project>
```

```
<?xml version="1.0" encoding="UTF-8"?>
```

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-->

```
<project>
  <modelVersion>4.0.0</modelVersion>

  <groupId>org.apache.maven.its.mng3843</groupId>
  <artifactId>parent-1</artifactId>
  <version>0.1</version>
  <packaging>pom</packaging>

  <licenses>
    <license>
      <name>parent-license</name>
      <url>http://parent.url/license</url>
      <distribution>repo</distribution>
    </license>
  </licenses>
</project>
<?xml version="1.0" encoding="UTF-8"?>
```

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-->

<project>

<modelVersion>4.0.0</modelVersion>

<!--

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-->

<parent>

<groupId>org.apache.maven.its.mng3843</groupId>

<artifactId>parent-1</artifactId>

<version>0.1</version>

</parent>

<groupId>org.apache.maven.its.mng3843.child</groupId>

<artifactId>child-2</artifactId>

<version>0.2</version>

<packaging>jar</packaging>

<contributors>

<contributor>

<name>child-contributor</name>

</contributor>

</contributors>

</project>

<?xml version="1.0" encoding="UTF-8"?>

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-->

```
<project>
<modelVersion>4.0.0</modelVersion>

<groupId>org.apache.maven.its.mng3843</groupId>
<artifactId>parent-1</artifactId>
<version>0.1</version>
<packaging>pom</packaging>

<contributors>
  <contributor>
    <name>parent-contributor</name>
  </contributor>
</contributors>
</project>
```

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## 8.304 nginx 1.14

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```

# 8.305 NodeJS v8.16.0

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#ifndef SRC_UTIL_H_
#define SRC_UTIL_H_

#if defined(NODE_WANT_INTERNALS) && NODE_WANT_INTERNALS

#include "v8.h"

#include <assert.h>
#include <signal.h>
#include <stddef.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#include <type_traits> // std::remove_reference

namespace node {

// These should be used in our code as opposed to the native
// versions as they abstract out some platform and or
// compiler version specific functionality
// malloc(0) and realloc(ptr, 0) have implementation-defined behavior in
// that the standard allows them to either return a unique pointer or a
```

```

// nullptr for zero-sized allocation requests. Normalize by always using
// a nullptr.
template <typename T>
inline T* UncheckedRealloc(T* pointer, size_t n);
template <typename T>
inline T* UncheckedMalloc(size_t n);
template <typename T>
inline T* UncheckedCalloc(size_t n);

// Same things, but aborts immediately instead of returning nullptr when
// no memory is available.
template <typename T>
inline T* Realloc(T* pointer, size_t n);
template <typename T>
inline T* Malloc(size_t n);
template <typename T>
inline T* Calloc(size_t n);

inline char* Malloc(size_t n);
inline char* Calloc(size_t n);
inline char* UncheckedMalloc(size_t n);
inline char* UncheckedCalloc(size_t n);

template <typename T>
inline T MultiplyWithOverflowCheck(T a, T b);

// Used by the allocation functions when allocation fails.
// Thin wrapper around v8::Isolate::LowMemoryNotification() that checks
// whether V8 is initialized.
void LowMemoryNotification();

#ifdef __GNUC__
#define NO_RETURN __attribute__((noreturn))
#else
#define NO_RETURN
#endif

// The slightly odd function signature for Assert() is to ease
// instruction cache pressure in calls from CHECK.
NO_RETURN void Abort();
NO_RETURN void Assert(const char* const (*args)[4]);
void DumpBacktrace(FILE* fp);

template <typename T> using remove_reference = std::remove_reference<T>;

#define FIXED_ONE_BYTE_STRING(isolate, string) \
(node::OneByteString((isolate), (string), sizeof(string) - 1))

```

```

#define DISALLOW_COPY_AND_ASSIGN(TypeName) \
void operator=(const TypeName&) = delete; \
void operator=(TypeName&&) = delete; \
TypeName(const TypeName&) = delete; \
TypeName(TypeName&&) = delete

// Windows 8+ does not like abort() in Release mode
#ifdef _WIN32
#define ABORT_NO_BACKTRACE() raise(SIGABRT)
#else
#define ABORT_NO_BACKTRACE() abort()
#endif

#define ABORT() node::Abort()

#ifdef __GNUC__
#define LIKELY(expr) __builtin_expect(!!(expr), 1)
#define UNLIKELY(expr) __builtin_expect(!!(expr), 0)
#define PRETTY_FUNCTION_NAME __PRETTY_FUNCTION__
#else
#define LIKELY(expr) expr
#define UNLIKELY(expr) expr
#define PRETTY_FUNCTION_NAME ""
#endif

#define STRINGIFY_(x) #x
#define STRINGIFY(x) STRINGIFY_(x)

#define CHECK(expr) \
do { \
    if (UNLIKELY(!(expr))) { \
        static const char* const args[] = { __FILE__, STRINGIFY(__LINE__), \
                                             #expr, PRETTY_FUNCTION_NAME }; \
        node::Assert(&args); \
    } \
} while (0)

#define CHECK_EQ(a, b) CHECK((a) == (b))
#define CHECK_GE(a, b) CHECK((a) >= (b))
#define CHECK_GT(a, b) CHECK((a) > (b))
#define CHECK_LE(a, b) CHECK((a) <= (b))
#define CHECK_LT(a, b) CHECK((a) < (b))
#define CHECK_NE(a, b) CHECK((a) != (b))

#define UNREACHABLE() ABORT()

#define ASSIGN_OR_RETURN_UNWRAP(ptr, obj, ...) \
do { \

```

```

*ptr =
    Unwrap<typename node::remove_reference<decltype(**ptr)>::type>(obj); \
if (*ptr == nullptr)
    return __VA_ARGS__;
} while (0)

```

// TAILQ-style intrusive list node.

```

template <typename T>
class ListNode;

```

// TAILQ-style intrusive list head.

```

template <typename T, ListNode<T> (T::*M)>
class ListHead;

```

```

template <typename T>

```

```

class ListNode {
public:
    inline ListNode();
    inline ~ListNode();
    inline void Remove();
    inline bool IsEmpty() const;

```

private:

```

    template <typename U, ListNode<U> (U::*M)> friend class ListHead;
    friend int GenDebugSymbols();
    ListNode* prev_;
    ListNode* next_;
    DISALLOW_COPY_AND_ASSIGN(ListNode);
};

```

```

template <typename T, ListNode<T> (T::*M)>

```

```

class ListHead {
public:
    class Iterator {
    public:
        inline T* operator*() const;
        inline const Iterator& operator++();
        inline bool operator!=(const Iterator& that) const;

```

private:

```

    friend class ListHead;
    inline explicit Iterator(ListNode<T>* node);
    ListNode<T>* node_;
};

```

```

inline ListHead() = default;
inline ~ListHead();
inline void MoveBack(ListHead* that);

```



```

inline void PushBack(T* element);
inline void PushFront(T* element);
inline bool IsEmpty() const;
inline T* PopFront();
inline Iterator begin() const;
inline Iterator end() const;

private:
friend int GenDebugSymbols();
ListNode<T> head_;
DISALLOW_COPY_AND_ASSIGN(ListHead);
};

// The helper is for doing safe downcasts from base types to derived types.
template <typename Inner, typename Outer>
class ContainerOfHelper {
public:
inline ContainerOfHelper(Inner Outer::*field, Inner* pointer);
template <typename TypeName>
inline operator TypeName*() const;
private:
Outer* const pointer_;
};

// Calculate the address of the outer (i.e. embedding) struct from
// the interior pointer to a data member.
template <typename Inner, typename Outer>
inline ContainerOfHelper<Inner, Outer> ContainerOf(Inner Outer::*field,
Inner* pointer);

// If persistent.IsWeak() == false, then do not call persistent.Reset()
// while the returned Local<T> is still in scope, it will destroy the
// reference to the object.
template <class TypeName>
inline v8::Local<TypeName> PersistentToLocal(
v8::Isolate* isolate,
const v8::Persistent<TypeName>& persistent);

// Unchecked conversion from a non-weak Persistent<T> to Local<T>,
// use with care!
//
// Do not call persistent.Reset() while the returned Local<T> is still in
// scope, it will destroy the reference to the object.
template <class TypeName>
inline v8::Local<TypeName> StrongPersistentToLocal(
const v8::Persistent<TypeName>& persistent);

template <class TypeName>

```

```

inline v8::Local<TypeName> WeakPersistentToLocal(
    v8::Isolate* isolate,
    const v8::Persistent<TypeName>& persistent);

// Convenience wrapper around v8::String::NewFromOneByte().
inline v8::Local<v8::String> OneByteString(v8::Isolate* isolate,
    const char* data,
    int length = -1);

// For the people that compile with -funsigned-char.
inline v8::Local<v8::String> OneByteString(v8::Isolate* isolate,
    const signed char* data,
    int length = -1);

inline v8::Local<v8::String> OneByteString(v8::Isolate* isolate,
    const unsigned char* data,
    int length = -1);

inline void Wrap(v8::Local<v8::Object> object, void* pointer);

inline void ClearWrap(v8::Local<v8::Object> object);

template <typename TypeName>
inline TypeName* Unwrap(v8::Local<v8::Object> object);

// Swaps bytes in place. nbytes is the number of bytes to swap and must be a
// multiple of the word size (checked by function).
inline void SwapBytes16(char* data, size_t nbytes);
inline void SwapBytes32(char* data, size_t nbytes);
inline void SwapBytes64(char* data, size_t nbytes);

// tolower() is locale-sensitive. Use ToLower() instead.
inline char ToLower(char c);

// strcasecmp() is locale-sensitive. Use StringEqualNoCase() instead.
inline bool StringEqualNoCase(const char* a, const char* b);

// strncasecmp() is locale-sensitive. Use StringEqualNoCaseN() instead.
inline bool StringEqualNoCaseN(const char* a, const char* b, size_t length);

// Allocates an array of member type T. For up to kStackStorageSize items,
// the stack is used, otherwise malloc().
template <typename T, size_t kStackStorageSize = 1024>
class MaybeStackBuffer {
public:
    const T* out() const {
        return buf_;
    }
}

```

```

T* out() {
    return buf_;
}

// operator* for compatibility with `v8::String::(Utf8)Value`
T* operator*() {
    return buf_;
}

const T* operator*() const {
    return buf_;
}

T& operator[](size_t index) {
    CHECK_LT(index, length());
    return buf_[index];
}

const T& operator[](size_t index) const {
    CHECK_LT(index, length());
    return buf_[index];
}

size_t length() const {
    return length_;
}

// Current maximum capacity of the buffer with which SetLength() can be used
// without first calling AllocateSufficientStorage().
size_t capacity() const {
    return IsAllocated() ? capacity_ :
           IsInvalidated() ? 0 : kStackStorageSize;
}

// Make sure enough space for `storage` entries is available.
// This method can be called multiple times throughout the lifetime of the
// buffer, but once this has been called Invalidate() cannot be used.
// Content of the buffer in the range [0, length()) is preserved.
void AllocateSufficientStorage(size_t storage) {
    CHECK(!IsInvalidated());
    if (storage > capacity()) {
        bool was_allocated = IsAllocated();
        T* allocated_ptr = was_allocated ? buf_ : nullptr;
        buf_ = Realloc(allocated_ptr, storage);
        capacity_ = storage;
        if (!was_allocated && length_ > 0)
            memcpy(buf_, buf_st_, length_ * sizeof(buf_[0]));
    }
}

```

```

    }

    length_ = storage;
}

void SetLength(size_t length) {
    // capacity() returns how much memory is actually available.
    CHECK_LE(length, capacity());
    length_ = length;
}

void SetLengthAndZeroTerminate(size_t length) {
    // capacity() returns how much memory is actually available.
    CHECK_LE(length + 1, capacity());
    SetLength(length);

    // T() is 0 for integer types, nullptr for pointers, etc.
    buf_[length] = T();
}

// Make dereferencing this object return nullptr.
// This method can be called multiple times throughout the lifetime of the
// buffer, but once this has been called AllocateSufficientStorage() cannot
// be used.
void Invalidate() {
    CHECK(!IsAllocated());
    length_ = 0;
    buf_ = nullptr;
}

// If the buffer is stored in the heap rather than on the stack.
bool IsAllocated() const {
    return !IsInvalidated() && buf_ != buf_st_;
}

// If Invalidate() has been called.
bool IsInvalidated() const {
    return buf_ == nullptr;
}

// Release ownership of the malloc'd buffer.
// Note: This does not free the buffer.
void Release() {
    CHECK(IsAllocated());
    buf_ = buf_st_;
    length_ = 0;
    capacity_ = 0;
}

```

```

MaybeStackBuffer() : length_(0), capacity_(0), buf_(buf_st_) {
    // Default to a zero-length, null-terminated buffer.
    buf_[0] = T();
}

explicit MaybeStackBuffer(size_t storage) : MaybeStackBuffer() {
    AllocateSufficientStorage(storage);
}

~MaybeStackBuffer() {
    if (IsAllocated())
        free(buf_);
}

private:
    size_t length_;
    // capacity of the malloc'ed buf_
    size_t capacity_;
    T* buf_;
    T buf_st_[kStackStorageSize];
};

class Utf8Value : public MaybeStackBuffer<char> {
public:
    explicit Utf8Value(v8::Isolate* isolate, v8::Local<v8::Value> value);
};

class TwoByteValue : public MaybeStackBuffer<uint16_t> {
public:
    explicit TwoByteValue(v8::Isolate* isolate, v8::Local<v8::Value> value);
};

class BufferValue : public MaybeStackBuffer<char> {
public:
    explicit BufferValue(v8::Isolate* isolate, v8::Local<v8::Value> value);
};

#define THROW_AND_RETURN_UNLESS_BUFFER(env, obj) \
do { \
    if (!Buffer::HasInstance(obj)) \
        return env->ThrowTypeError("argument should be a Buffer"); \
} while (0)

#define SPREAD_BUFFER_ARG(val, name) \
CHECK((val)->IsArrayBufferView()); \
v8::Local<v8::ArrayBufferView> name = (val).As<v8::ArrayBufferView>(); \
v8::ArrayBuffer::Contents name##_c = name->Buffer()->GetContents(); \

```

```

const size_t name##_offset = name->ByteOffset();           \
const size_t name##_length = name->ByteLength();          \
char* const name##_data =                                \
    static_cast<char*>(name##_c.Data()) + name##_offset;  \
if (name##_length > 0)                                   \
    CHECK_NE(name##_data, nullptr);

} // namespace node

#endif // defined(NODE_WANT_INTERNALS) && NODE_WANT_INTERNALS

```

```
#endif // SRC_UTIL_H_
```

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## 8.306 nprogress 0.1.2

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## 8.307 ntp 1:4.2.8p4+dfsg :3ubuntu5.9

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4. Michael Barone <michael,barone@lmco.com> GPSVME fixes
5. Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
6. Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
11. Steve Clift <clift@ml.csiro.au> OMEGA clock driver
12. Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
13. Sven Dietrich <sven\_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
14. John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
15. Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
16. Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
17. John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
18. Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
19. Mike Iglesias <iglesias@uci.edu> DEC Alpha port
20. Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
21. Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
22. Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or <H.Lambermont@chello.nl> ntpsweep
23. Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
24. Frank Kardel <kardel(at)ntp(dot)org> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
25. William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
26. Dave Katz <dkatz@cisco.com> RS/6000 AIX port
27. Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
28. George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
29. Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
30. Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
31. Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance



32. David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG
33. Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
34. Jeffrey Mogul <mogul@pa.dec.com> ntprtrace utility
35. Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
36. Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
37. Derek Mulcahy <derek@toybox.demon.co.uk> and Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
38. Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
39. Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
40. Wilfredo Snchez <wsanchez@apple.com> added support for NetInfo
41. Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
42. Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
43. Ray Schnitzler <schnitz@unipress.com> Unixware1 port
44. Michael Shields <shields@tembel.org> USNO clock driver
45. Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
46. Harlan Stenn <harlan@pfc.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
47. Kenneth Stone <ken@sdd.hp.com> HP-UX port
48. Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
49. Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
50. Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
51. Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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## 8.316 paranamer 2.8

### 8.316.1 Available under license :

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lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
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#define _KERBEROS_MIT_COPYRIGHT_H
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/* #pragma ident "@(#)mit-copyright.h 1.4 93/02/04 SMI" */
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#endif /* _KERBEROS_MIT_COPYRIGHT_H */
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```
/* CMU libsasl
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```
* Tim Martin
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```
* Rob Earhart
```

```
* Rob Siemborski
```

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*/
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/*
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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  
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lib/gssapi/mechglue/g\_initialize.c  
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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  
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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/iprof\_hdr.h  
kadmin/server/iprofd\_svc.c  
lib/kdb/iprof.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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cmd/krb5/iprof/iprof_hdr.h
cmd/krb5/kadmin/server/iprofd_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  
lib/libgss/g\_rel\_oid\_set.c  
lib/libgss/g\_seal.c  
lib/libgss/g\_sign.c  
lib/libgss/g\_store\_cred.c  
lib/libgss/g\_unseal.c  
lib/libgss/g\_userok.c  
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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```
*/  
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */  
/*
```

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/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */  
/*
```

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```

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```

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# and license statements in source code comments.

```
import os
```

```
import sys
```

```
import re
```

```
def warn(fname, ln, msg):
```

```
    print '%s: %d: %s' % (fname, ln + 1, msg)
```

```
def indicates_license(line):
```

```
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line
```

```
# Check a comment for boilerplate violations. Return true if the comment
```

```
# is a license statement.
```

```

def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
            if text_seen:
                warn(fname, ln, 'License begins after first line of comment')
            elif code_seen:
                warn(fname, ln, 'License after code')
            elif nonlicense_seen:
                warn(fname, ln, 'License after non-license comments')
            break
        # DB2 licenses start with '/*-' and we don't want to change them.
        if line != " and line != '-':
            text_seen = True
    return is_license

```

```

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1

    # Check filename comment if present.
    m = re.match(r'^\* ([^ ]*)( - .*)? \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

```

```

# Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'^\*.*?\*/', "", line)
        line = line.strip()

    if not in_comment and '/*' in line:
        (line, sep, comment_part) = line.partition('/*')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '*/' not in line:
        comment.append(line.lstrip('*').rstrip())

```

```

elif in_comment:
    (comment_part, sep, line) = line.partition('*/')
    comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                               code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
elif line.strip() != "":
    code_seen = True

ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)
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<meta name="keywords" content="license">
<link rel="stylesheet" type="text/css" href="nidmgr.css">
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<body>

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  copyright.rst

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<link rel="stylesheet" href="\_static/agogo.css" type="text/css" />  
<link rel="stylesheet" href="\_static/pygments.css" type="text/css" />  
<link rel="stylesheet" href="\_static/kerb.css" type="text/css" />

```
<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
  URL_ROOT:  "",
  VERSION:   '1.11.3',
  COLLAPSE_INDEX: false,
  FILE_SUFFIX: '.html',
  HAS_SOURCE: true
};
</script>
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
<script type="text/javascript" src="_static/doctools.js"></script>
<link rel="author" title="About these documents" href="about.html" />
<link rel="copyright" title="Copyright" href="copyright.html" />
<link rel="top" title="MIT Kerberos Documentation" href="index.html" />
<link rel="up" title="MIT Kerberos features" href="mitK5features.html" />
<link rel="next" title="Copyright" href="copyright.html" />
<link rel="prev" title="MIT Kerberos features" href="mitK5features.html" />
```

</head>

<body>

```
<div class="header-wrapper">
  <div class="header" style="padding-bottom: 0px;">
```

```
    <h1><a href="index.html"
    style="color: #5d1509; font-size: 120%;
    padding-top: 10px;">MIT Kerberos Documentation</a></h1>
```

```
<div class="rel">
  <a href="index.html"
  title="Full Table of Contents"
  accesskey="C">Contents</a>
  |
  <a href="mitK5features.html"
  title="MIT Kerberos features"
  accesskey="P">previous</a>
  |
  <a href="copyright.html"
  title="Copyright"
  accesskey="N">next</a>
  |
  <a href="genindex.html"
```

```

        title="General Index"
        accesskey="I">index</a>
        |
        <a href="search.html"
        title="Enter search criteria"
        accesskey="S">Search</a>
        |
        <a href="mailto:krb5-bugs@mit.edu?subject=Documentation__MIT Kerberos License
information">feedback</a>
    </div>
</div>
</div>

<div class="content-wrapper">
    <div class="content">
        <div class="sidebar"
            style="float: right; background: #F9F9F9">
            <h2>On this page </h2>
            <ul>
<li><a class="reference internal" href="#">MIT Kerberos License information</a></li>
</ul>
</li>
</ul>

                <br/>
                <h2>Table of contents</h2>
                <ul>
<li class="toctree-l1"><a class="reference internal" href="user/index.html">For users</a></li>
<li class="toctree-l1"><a class="reference internal" href="admin/index.html">For administrators</a></li>
<li class="toctree-l1"><a class="reference internal" href="appdev/index.html">For application developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="plugindev/index.html">For plugin module
developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="build/index.html">Building Kerberos V5</a></li>
<li class="toctree-l1"><a class="reference internal" href="basic/index.html">Kerberos V5 concepts</a></li>
<li class="toctree-l1"><a class="reference internal" href="mitK5features.html">MIT Kerberos features</a></li>
<li class="toctree-l1"><a class="reference internal" href="build_this.html">How to build this documentation from
the source</a></li>
<li class="toctree-l1"><a class="reference internal" href="about.html">The Kerberos Documentation Set</a></li>
<li class="toctree-l1"><a class="reference internal" href="resources.html">Resources</a></li>
</ul>

                <br/>
                <h4><a href="index.html">Full Table of Contents
                </a></h4>
                <h4>Search</h4>
                <form class="search" action="search.html" method="get">
                    <input type="text" name="q" size="18" />
                    <input type="submit" value="Go" />

```

```

        <input type="hidden" name="check_keywords" value="yes" />
        <input type="hidden" name="area" value="default" />
    </form>
</div>
<div class="document">

<div class="documentwrapper">
    <div class="bodywrapper">
        <div class="body">

<div class="section" id="mit-kerberos-license-information">
<span id="mitk5license"></span><h1>MIT Kerberos License information<a class="headerlink" href="#mit-kerberos-license-information" title="Permalink to this headline"></a></h1>
<div class="toctree-wrapper compound">
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```
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```

```
kadmin/server, lib/kadm5,
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```
lib/rpc:
```

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<tt class="docutils literal"><span class="pre">src/lib/gssapi</span></tt>, including the following files:</p>

<div class="highlight-python"><div class="highlight"><pre><span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">generic</span><span class="o">/</span><span class="n">gssapi\_err\_generic</span><span class="o">.</span><span class="n">et</span></pre>

<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_accept\_sec\_context</span><span class="o">.</span><span class="n">c</span></pre>

<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_acquire\_cred</span><span class="o">.</span><span class="n">c</span></pre>

<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_canon\_name</span><span class="o">.</span><span class="n">c</span></pre>

<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_compare\_name</span><span class="o">.</span><span class="n">c</span></pre>

<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g\_context\_time</span><span class="o">.</span><span class="n">c</span></pre>





the following new or changed files:

```
<div class="highlight-python"><div class="highlight"><pre><span class="n">include</span><span class="o">.</span><span class="n">iprop_hdr</span><span class="o">.</span><span class="n">h</span><span class="n">kadmin</span><span class="o">.</span><span class="n">server</span><span class="o">.</span><span class="n">ipropd_svc</span><span class="o">.</span><span class="n">c</span><span class="n">lib</span><span class="o">.</span><span class="n">kdb</span><span class="o">.</span><span class="n">iprop</span><span class="o">.</span><span class="n">x</span><span class="n">lib</span><span class="o">.</span><span class="n">kdb</span><span class="o">.</span><span class="n">kdb_convert</span><span class="o">.</span><span class="n">c</span><span class="n">lib</span><span class="o">.</span><span class="n">kdb</span><span class="o">.</span><span class="n">kdb_log</span><span class="o">.</span><span class="n">c</span><span class="n">lib</span><span class="o">.</span><span class="n">kdb</span><span class="o">.</span><span class="n">kdb_log</span><span class="o">.</span><span class="n">h</span><span class="n">lib</span><span class="o">.</span><span class="n">krb5</span><span class="o">.</span><span class="n">error_tables</span><span class="o">.</span><span class="n">kdb5_err</span><span class="o">.</span><span class="n">et</span><span class="n">slave</span><span class="o">.</span><span class="n">kpropd_rpc</span><span class="o">.</span><span class="n">c</span><span class="n">slave</span><span class="o">.</span><span class="n">kproplog</span><span class="o">.</span><span class="n">c</span></pre></div></div>
```

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  <link rel="top" title="MIT Kerberos Documentation" href="index.html" />
  <link rel="up" title="MIT Kerberos License information" href="mitK5license.html" />
  <link rel="next" title="How to build this documentation from the source" href="build_this.html" />
  <link rel="prev" title="MIT Kerberos License information" href="mitK5license.html" />
</head>
<body>
  <div class="header-wrapper">
    <div class="header" style="padding-bottom: 0px;">

      <h1><a href="index.html"
style="color: #5d1509; font-size: 120%;
```



padding-top: 10px;">MIT Kerberos Documentation</a></h1>

```
<div class="rel">
  <a href="index.html"
  title="Full Table of Contents"
  accesskey="C">Contents</a>
  |
  <a href="mitK5license.html"
  title="MIT Kerberos License information"
  accesskey="P">previous</a>
  |
  <a href="build_this.html"
  title="How to build this documentation from the source"
  accesskey="N">next</a>
  |
  <a href="genindex.html"
  title="General Index"
  accesskey="I">index</a>
  |
  <a href="search.html"
  title="Enter search criteria"
  accesskey="S">Search</a>
  |
  <a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
</div>
```

```
</div>
```

```
</div>
```

```
<div class="content-wrapper">
```

```
<div class="content">
```

```
<div class="sidebar"
```

```
style="float: right; background: #F9F9F9">
```

```
<h2>On this page </h2>
```

```
<ul>
```

```
<li><a class="reference internal" href="#">Copyright</a></li>
```

```
</ul>
```

```
<br/>
```

```
<h2>Table of contents</h2>
```

```
<ul>
```

```
<li class="toctree-l1"><a class="reference internal" href="user/index.html">For users</a></li>
```

```
<li class="toctree-l1"><a class="reference internal" href="admin/index.html">For administrators</a></li>
```

```
<li class="toctree-l1"><a class="reference internal" href="appdev/index.html">For application developers</a></li>
```

```
<li class="toctree-l1"><a class="reference internal" href="plugindev/index.html">For plugin module
developers</a></li>
```

```
<li class="toctree-l1"><a class="reference internal" href="build/index.html">Building Kerberos V5</a></li>
```

```
<li class="toctree-l1"><a class="reference internal" href="basic/index.html">Kerberos V5 concepts</a></li>
```

```
<li class="toctree-l1"><a class="reference internal" href="mitK5features.html">MIT Kerberos features</a></li>
```

```
<li class="toctree-l1"><a class="reference internal" href="build_this.html">How to build this documentation from
the source</a></li>
<li class="toctree-l1"><a class="reference internal" href="about.html">The Kerberos Documentation Set</a></li>
<li class="toctree-l1"><a class="reference internal" href="resources.html">Resources</a></li>
</ul>
```

```
<br/>
```

```
<h4><a href="index.html">Full Table of Contents
```

```
</a></h4>
```

```
<h4>Search</h4>
```

```
<form class="search" action="search.html" method="get">
```

```
  <input type="text" name="q" size="18" />
```

```
  <input type="submit" value="Go" />
```

```
  <input type="hidden" name="check_keywords" value="yes" />
```

```
  <input type="hidden" name="area" value="default" />
```

```
</form>
```

```
</div>
```

```
<div class="document">
```

```
<div class="documentwrapper">
```

```
<div class="bodywrapper">
```

```
<div class="body">
```

```
<div class="section" id="copyright">
```

```
<h1>Copyright<a class="headerlink" href="#copyright" title="Permalink to this headline"></a></h1>
```

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```

```
<p>See <a class="reference internal" href="mitK5license.html#mitk5license"><em>MIT Kerberos License
information</em></a> for additional copyright and license
information.</p>
```

```
</div>
```

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</div>
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</div>
```

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</div>
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```
</div>
```

```
<div class="clearer" ></div>
```

```
</div>
```

```
</div>
```

```
<div class="footer-wrapper" >
```

```
<div class="footer" >
```

```
<div class="right" ><i>Release: 1.11.3</i><br />
```

```
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```
</div>
```

```
<div class="left" >
```

```
<a href="index.html"
```

```

    title="Full Table of Contents"
    >Contents</a>
    |
    <a href="mitK5license.html"
    title="MIT Kerberos License information"
    >previous</a>
    |
    <a href="build_this.html"
    title="How to build this documentation from the source"
    >next</a>
    |
    <a href="genindex.html"
    title="General Index"
    >index</a>
    |
    <a href="search.html"
    title="Enter search criteria"
    >Search</a>
    |
    <a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
  </div>
</div>
</div>
</body>
</html>
\input texinfo
@settitle Copyright and Other Legal Notices
@paragraphindent 0
@exampleindent 2
@documentencoding UTF-8
@set noticefile
@node Top, , (dir), (dir)
@comment node-name, next, previous, up
@include definitions.texinfo
@include copyright.texinfo

```

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-----

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`src/lib/gssapi`, including the following files:

.. parsed-literal::

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
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:

.. parsed-literal::

include/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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lib/gssapi/mechglue/g\_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  
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lib/gssapi/mechglue/g\_dup\_name.c  
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lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c  
@end smallexample

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

@smallexample  
include/iprop\_hdr.h  
kadmin/server/ipropd\_svc.c  
lib/kdb/iprop.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c



lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c  
@end smallexample

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```
lib/gssapi/generic/gssapi_err_generic.et  
lib/gssapi/mechglue/g_accept_sec_context.c  
lib/gssapi/mechglue/g_acquire_cred.c  
lib/gssapi/mechglue/g_canon_name.c  
lib/gssapi/mechglue/g_compare_name.c  
lib/gssapi/mechglue/g_context_time.c  
lib/gssapi/mechglue/g_delete_sec_context.c  
lib/gssapi/mechglue/g_dsp_name.c  
lib/gssapi/mechglue/g_dsp_status.c  
lib/gssapi/mechglue/g_dup_name.c  
lib/gssapi/mechglue/g_exp_sec_context.c  
lib/gssapi/mechglue/g_export_name.c  
lib/gssapi/mechglue/g_glue.c  
lib/gssapi/mechglue/g_imp_name.c  
lib/gssapi/mechglue/g_imp_sec_context.c  
lib/gssapi/mechglue/g_init_sec_context.c  
lib/gssapi/mechglue/g_initialize.c  
lib/gssapi/mechglue/g_inq_context.c  
lib/gssapi/mechglue/g_inq_cred.c  
lib/gssapi/mechglue/g_inq_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\_verify.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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

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signature of Ty Coon, 1 April 1989
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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

The reason we have a separate public license for some libraries is that

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

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

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

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

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

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

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under

copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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

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

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

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

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,



in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit

modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

distribute.

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

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

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#### END OF TERMS AND CONDITIONS

##### Appendix: How to Apply These Terms to Your New Libraries

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

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "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!  
# canonicalize-lgpl.m4 serial 5  
dnl Copyright (C) 2003, 2006-2007, 2009 Free Software Foundation, Inc.  
dnl This file is free software; the Free Software Foundation  
dnl gives unlimited permission to copy and/or distribute it,  
dnl with or without modifications, as long as this notice is preserved.

```
AC_DEFUN([gl_CANONICALIZE_LGPL],
[
dnl Do this replacement check manually because the file name is shorter
dnl than the function name.
AC_CHECK_DECLS_ONCE([canonicalize_file_name])
AC_CHECK_FUNCS_ONCE([canonicalize_file_name])
if test $ac_cv_func_canonicalize_file_name = no; then
  AC_LIBOBJ([canonicalize-lgpl])
  AC_DEFINE([realpath], [rpl_realpath],
    [Define to a replacement function name for realpath().])
  gl_PREREQ_CANONICALIZE_LGPL
fi
])
```

```
# Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
# (no AC_LIBOBJ).
AC_DEFUN([gl_CANONICALIZE_LGPL_SEPARATE],
[
  AC_CHECK_DECLS_ONCE([canonicalize_file_name])
  AC_CHECK_FUNCS_ONCE([canonicalize_file_name])
  gl_PREREQ_CANONICALIZE_LGPL
])
```

```
# Prerequisites of lib/canonicalize-lgpl.c.
AC_DEFUN([gl_PREREQ_CANONICALIZE_LGPL],
[
  AC_CHECK_HEADERS_ONCE([sys/param.hunistd.h])
  AC_CHECK_FUNCS_ONCE([getcwdreadlink])
])
```

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Version 3, 29 June 2007

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share and change all versions of a program--to make sure it remains free  
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GNU General Public License for most of our software; it applies also to  
any other work released this way by its authors. You can apply it to  
your programs, too.

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want it, that you can change the software or use pieces of it in new  
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Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

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

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

## TERMS AND CONDITIONS

### 0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

#### 1. Source Code.

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

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A

"Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

## 2. Basic Permissions.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10

makes it unnecessary.

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### 4. Conveying Verbatim Copies.

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You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

### 5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7

additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

## 6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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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krb4

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fileset

```
tag prefix
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  tag root
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  os_name HP-UX
  os_release ?.11.??
  os_version *
  postinstall @DEPOT_CONTROL@/postinstall
```

```
fileset
  tag prefix
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end
end
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## 8.319 pd\_ipc\_server 2.0.15

## 8.320 pd\_thrift\_ipc 2.0.15

## 8.321 pexpect 4.2.0

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It is currently maintained by Marco d'Itri <md@linux.it> and Chris Boot <bootc@debian.org>.

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This package was previously maintained by Ian Murdock <imurdock@debian.org>, Alvar Bray <alvar@debian.org>, Christoph Lameter <clameter@debian.org>, Philip Hands <phil@hands.com>, Michael Beattie <mjb@debian.org> and Russell Coker <russell@coker.com.au>.

It is currently maintained by Marco d'Itri <md@linux.it> and Chris Boot <bootc@debian.org>.

Original sources were obtained from:

[git://ozlabs.org/~paulus/ppp.git](https://git.ozlabs.org/~paulus/ppp.git)

The options file was originally obtained from:

<ftp://sunsite.unc.edu/pub/Linux/system/Network/serial/pppopt.tgz>

It was later heavily modified by various people, with additions from different sources.

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## 8.326 promise-as3 Legacy

## 8.327 prop-types 15.6.0

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## 8.330 pyopenssl 0.15.1-2ubuntu0.2

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Upstream-Name: pyOpenSSL

Source: <https://github.com/pyca/pyopenssl>

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Files: examples/simple/\*.py examples/certgen.py OpenSSL/version.py

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Files: examples/SecureXMLRPCServer.py

Note: Written 0907.2002 by Michal Wallace

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Files: examples/proxy.py

Author: Mihai Ibanescu <misa@redhat.com>

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# 8.334 python 3.5.2

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

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

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
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| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
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| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |

|               |           |          |     |     |
|---------------|-----------|----------|-----|-----|
| 2.1           | 2.0+1.6.1 | 2001     | PSF | no  |
| 2.0.1         | 2.0+1.6.1 | 2001     | PSF | yes |
| 2.1.1         | 2.1+2.0.1 | 2001     | PSF | yes |
| 2.1.2         | 2.1.1     | 2002     | PSF | yes |
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A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

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

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Sockets

-----

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

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MD5 message digest algorithm

-----

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L. Peter Deutsch  
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Independent implementation of MD5 (RFC 1321).

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

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

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

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

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.  
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.  
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

#### Asynchronous socket services

-----

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UUencode and UUdecode functions

-----

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Modified by Jack Jansen, CWI, July 1995:

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

XML Remote Procedure Calls

-----

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Select kqueue

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strtod and dtoa

-----

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#### A. HISTORY OF THE SOFTWARE

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

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

software.

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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## 8.337 python-attrs 15.2.0 :1

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Upstream-Contact: Hynek Schlawack <hs@ox.cx>

Source: <https://attrs.readthedocs.org/>

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Packaged by Dave Beckett <dajobe@debian.org> from 2005-02-02

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## 8.339 python-cairo 1.8.8-1ubuntu3

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Packaged by Dave Beckett <dajobe@debian.org> from 2005-02-02

It was built from a snapshot sources from <http://cairographics.org/snapshots/>

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## 8.340 python-chardet 2.3.0-2

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## 8.342 python-enum34 1.1.2

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## 8.343 python-functools32 3.2.3-2

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#### A. HISTORY OF THE SOFTWARE

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

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |

|       |           |           |      |         |
|-------|-----------|-----------|------|---------|
| 1.6.1 | 1.6       | 2001      | CNRI | yes (2) |
| 2.1   | 2.0+1.6.1 | 2001      | PSF  | no      |
| 2.0.1 | 2.0+1.6.1 | 2001      | PSF  | yes     |
| 2.1.1 | 2.1+2.0.1 | 2001      | PSF  | yes     |
| 2.2   | 2.1.1     | 2001      | PSF  | yes     |
| 2.1.2 | 2.1.1     | 2002      | PSF  | yes     |
| 2.1.3 | 2.1.2     | 2002      | PSF  | yes     |
| 2.2.1 | 2.2       | 2002      | PSF  | yes     |
| 2.2.2 | 2.2.1     | 2002      | PSF  | yes     |
| 2.2.3 | 2.2.2     | 2003      | PSF  | yes     |
| 2.3   | 2.2.2     | 2002-2003 | PSF  | yes     |
| 2.3.1 | 2.3       | 2002-2003 | PSF  | yes     |
| 2.3.2 | 2.3.1     | 2002-2003 | PSF  | yes     |
| 2.3.3 | 2.3.2     | 2002-2003 | PSF  | yes     |
| 2.3.4 | 2.3.3     | 2004      | PSF  | yes     |
| 2.3.5 | 2.3.4     | 2005      | PSF  | yes     |
| 2.4   | 2.3       | 2004      | PSF  | yes     |
| 2.4.1 | 2.4       | 2005      | PSF  | yes     |
| 2.4.2 | 2.4.1     | 2005      | PSF  | yes     |
| 2.4.3 | 2.4.2     | 2006      | PSF  | yes     |
| 2.4.4 | 2.4.3     | 2006      | PSF  | yes     |
| 2.5   | 2.4       | 2006      | PSF  | yes     |
| 2.5.1 | 2.5       | 2007      | PSF  | yes     |
| 2.5.2 | 2.5.1     | 2008      | PSF  | yes     |
| 2.5.3 | 2.5.2     | 2008      | PSF  | yes     |
| 2.6   | 2.5       | 2008      | PSF  | yes     |
| 2.6.1 | 2.6       | 2008      | PSF  | yes     |
| 2.6.2 | 2.6.1     | 2009      | PSF  | yes     |
| 2.6.3 | 2.6.2     | 2009      | PSF  | yes     |
| 2.6.4 | 2.6.3     | 2009      | PSF  | yes     |
| 2.6.5 | 2.6.4     | 2010      | PSF  | yes     |
| 3.0   | 2.6       | 2008      | PSF  | yes     |
| 3.0.1 | 3.0       | 2009      | PSF  | yes     |
| 3.1   | 3.0.1     | 2009      | PSF  | yes     |
| 3.1.1 | 3.1       | 2009      | PSF  | yes     |
| 3.1.2 | 3.1.1     | 2010      | PSF  | yes     |
| 3.1.3 | 3.1.2     | 2010      | PSF  | yes     |
| 3.1.4 | 3.1.3     | 2011      | PSF  | yes     |
| 3.2   | 3.1       | 2011      | PSF  | yes     |
| 3.2.1 | 3.2       | 2011      | PSF  | yes     |
| 3.2.2 | 3.2.1     | 2011      | PSF  | yes     |
| 3.2.3 | 3.2.2     | 2012      | PSF  | yes     |

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## 8.344 python-gnupginterface 0.3.2

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

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# 8.345 python-idna 2.0 :3

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Upstream-Name: idna

Source: <https://github.com/kjd/idna>

Files: \*

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Files: idna/codec.py

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## 8.346 python-ipaddress 1.0.16 :1

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Upstream-Name: ipaddress

Source: <https://github.com/phihaq/ipaddress>

Files: \*

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## 8.348 python-minimal 2.7.11 :1

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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#### A. HISTORY OF THE SOFTWARE

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

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes                 |
| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |

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Source: <http://www.pip-installer.org/>

Files: \*

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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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| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
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| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
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|       |           |           |     |     |
|-------|-----------|-----------|-----|-----|
| 2.0.1 | 2.0+1.6.1 | 2001      | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001      | PSF | yes |
| 2.2   | 2.1.1     | 2001      | PSF | yes |
| 2.1.2 | 2.1.1     | 2002      | PSF | yes |
| 2.1.3 | 2.1.2     | 2002      | PSF | yes |
| 2.2.1 | 2.2       | 2002      | PSF | yes |
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## 8.352 python-psutil 3.4.2

## 8.353 python-requests 2.9.1 :3ubuntu0.1

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Upstream-Contact: Kenneth Reitz <[me@kennethreitz.com](mailto:me@kennethreitz.com)>

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

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#### Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

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

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Sockets

-----

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

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## MD5 message digest algorithm

-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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

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

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

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

- 2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
- 1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
- 1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
- 1999-05-03 lpd Original version.

Asynchronous socket services  
-----

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

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-----

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History and License

\*\*\*\*\*

History of the software

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

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

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

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

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## Sockets

-----

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

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MD5 message digest algorithm

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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

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

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

- 2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
- 1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
- 1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
- 1999-05-03 lpd Original version.

Asynchronous socket services

-----

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UUencode and UUdecode functions  
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Modified by Jack Jansen, CWI, July 1995:

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

#### XML Remote Procedure Calls

-----

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Select kqueue  
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strtod and dtoa

-----

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



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

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| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
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Upstream-Contact: Kenneth Reitz <[me@kennethreitz.com](mailto:me@kennethreitz.com)>

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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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Mersenne Twister

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The ``_random'` module includes code based on a download from ``http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'`. The following are the verbatim comments from the original code:

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

Before using, initialize the state by using `init_genrand(seed)`  
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Any feedback is very welcome.

<http://www.math.keio.ac.jp/matumoto/emt.html>

email: [matumoto@math.keio.ac.jp](mailto:matumoto@math.keio.ac.jp)

#### Sockets

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

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Floating point exception control  
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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

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# 8.366 python3.5/readline 3.5.2 :2~16.01

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Python License

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### A. HISTORY OF THE SOFTWARE

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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

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
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| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
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| 3.0            | 2.6          | 2008      | PSF        | yes                 |
| 3.0.1          | 3.0          | 2009      | PSF        | yes                 |
| 3.1            | 3.0.1        | 2009      | PSF        | yes                 |
| 3.1.1          | 3.1          | 2009      | PSF        | yes                 |

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|-------|-------|------|-----|-----|
| 3.1.2 | 3.1.1 | 2010 | PSF | yes |
| 3.1.3 | 3.1.2 | 2010 | PSF | yes |
| 3.1.4 | 3.1.3 | 2011 | PSF | yes |
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 | PSF | yes |
| 3.2.2 | 3.2.1 | 2011 | PSF | yes |
| 3.3   | 3.2   | 2012 | PSF | yes |

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Mersenne Twister  
-----

The `\_random` module includes code based on a download from <http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code:

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

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

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<http://www.math.keio.ac.jp/matsumoto/emt.html>

email: [matumoto@math.keio.ac.jp](mailto:matumoto@math.keio.ac.jp)

Sockets

-----

The `socket' module uses the functions, `getaddrinfo', and  
`getnameinfo', which are coded in separate source files from the WIDE  
Project, `http://www.wide.ad.jp/about/index.html'.

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

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\*.whl/pip/\_vendor/requests/packages/urllib3/packages/ssl\_match\_hostname/\_\_init\_\_.py

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## 8.367 pytz 2014-10

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## 8.368 pyvmomi 6.5.0.2017.5

### 8.368.1 Available under license :

.. \_int: <https://docs.python.org/2/library/stdtypes.html>

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_bool: <https://docs.python.org/2/library/stdtypes.html>

.. \_vmodl.DynamicData: [../vmodl/DynamicData.rst](https://docs.python.org/2/library/stdtypes.html)

.. \_vim.ManagedEntity: [../vim/ManagedEntity.rst](https://docs.python.org/2/library/stdtypes.html)

vim.AuthorizationManager.Permission

=====

This data object type provides assignment of some role access to a principal on a specific entity. A ManagedEntity is limited to one permission per principal.

:extends: vmodl.DynamicData\_

Attributes:

entity (``vim.ManagedEntity`_`, optional):

Managed entity the permission is defined on. Left unset when calling `setPermissions` or `resetPermissions`, but present for the results of permission queries.

principal (``str`_`):

User or group receiving access in the form of "login" for local or "DOMAIN\login" for users in a Windows domain.

group (``bool`_`):

Whether principal refers to a user or a group. True for a group and false for a user.

roleId (``int`_`):

Reference to the role providing the access.

propagate (``bool`_`):

Whether or not this permission propagates down the hierarchy to sub-entities.

.. `_str`: <https://docs.python.org/2/library/stdtypes.html>

.. `_vim.fault.VimFault`: `../../vim/fault/VimFault.rst`

`vim.fault.InvalidLicense`

=====

:extends:

``vim.fault.VimFault`_`

Thrown when an attempt is made to upload license content that is invalid.

Attributes:

licenseContent (``str`_`)

.. `_int`: <https://docs.python.org/2/library/stdtypes.html>

.. `_vmodl.fault.NotEnoughLicenses`: `../../vmodl/fault/NotEnoughLicenses.rst`

`vim.fault.VramLimitLicense`

=====

:extends:

``vmodl.fault.NotEnoughLicenses`_`

A `VramLimitLicense` fault is thrown if executing an operation would result in exceeding maximum allowed vRAM amount. For example, this could happen when powering on a VM, hot-plugging memory into a running VMm, etc.

Attributes:

```
    limit (`int` _)
.. _int: https://docs.python.org/2/library/stdtypes.html

.. _vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst
```

vim.fault.VmLimitLicense

=====

:extends:

```
    `vmodl.fault.NotEnoughLicenses`_
```

A VmLimitLicense fault is thrown if powering on the virtual machine would exceed the maximum number of running virtual machines allowed.

Attributes:

```
    limit (`int` _)
.. _int: https://docs.python.org/2/library/stdtypes.html

.. _str: https://docs.python.org/2/library/stdtypes.html

.. _datetime: https://docs.python.org/2/library/stdtypes.html

.. _vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst
```

vim.fault.ExpiredFeatureLicense

=====

:extends:

```
    `vmodl.fault.NotEnoughLicenses`_
```

An ExpiredFeatureLicense fault is thrown if an attempt to acquire an Addon license 'feature' failed for count 'count'.

Attributes:

```
    feature (`str` _)

    count (`int` _)

    expirationDate (`datetime` _)
.. _vim.fault.ExpiredFeatureLicense: ../../vim/fault/ExpiredFeatureLicense.rst
```

vim.fault.ExpiredAddonLicense

=====

:extends:

  `vim.fault.ExpiredFeatureLicense`\_

An ExpiredAddonLicense fault is thrown if an attempt to acquire an Addon license 'feature failed for count 'count'.

Attributes:

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst

vim.fault.InvalidEditionLicense

=====

:extends:

  `vmodl.fault.NotEnoughLicenses`\_

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

  feature (`str`\_)

.. \_vim.fault.ExpiredFeatureLicense: ../../vim/fault/ExpiredFeatureLicense.rst

vim.fault.ExpiredEditionLicense

=====

:extends:

  `vim.fault.ExpiredFeatureLicense`\_

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_vim.LicenseManager.LicenseSource: ../../vim/LicenseManager/LicenseSource.rst

vim.LicenseManager.LocalLicense

=====

Specify license key data to store locally.

:extends: vim.LicenseManager.LicenseSource\_

Attributes:

licenseKeys ( `str`\_):

The size of this string is implementation dependent. It must contain ASCII or ISO Latin-1 characters only.  
.. \_long: <https://docs.python.org/2/library/stdtypes.html>

.. \_VI API 2.5: ../../vim/version.rst#vimversionversion2

.. \_vim.LicenseManager.LicenseSource: ../../vim/LicenseManager/LicenseSource.rst

vim.LicenseManager.EvaluationLicense

=====

Specify an evaluation license source. Feature licensing is not required while the remaining hours is greater than zero.

:extends: vim.LicenseManager.LicenseSource\_

:since: `VI API 2.5`\_

Attributes:

remainingHours ( `long`\_, optional):

The number of remaining hours before product evaluation expires

.. \_vmodl.RuntimeFault: ../../vmodl/RuntimeFault.rst

vmodl.fault.NotEnoughLicenses

=====

:extends:

`vmodl.RuntimeFault`\_

A NotEnoughLicensesFault occurs when an operation fails because there are not enough licenses installed.

Attributes:

pyVmomi

=====

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## 8.371 Quartz Enterprise Job Scheduler 2.1.7

### 8.372 rc-time-picker 2.2.1

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## 8.383 react-transition-group 1.2.1

### 8.384 redux 3.5.2

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## 8.394 scalalogging-slf4j 1.1.0

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yLek4QYMR1mq1DtB  
=PD4w  
-----END PGP PUBLIC KEY BLOCK-----
```

Tom Adams  
MoGeneration Pty Ltd  
tom@functionaljava.org  
<http://adams.id.au/blog/>  
-----BEGIN PGP PUBLIC KEY BLOCK-----

Version: GnuPG v1.2.4 (Darwin)

```
mQGIBDmFBWIRBACUFjqojQlnekkrcu3v6sNa4hLdytlUSzHB+kbTeT1L6LzQrryE  
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```

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/4rGHdrwjhNgJlsFySk0/e6+/pm4iEYEGBECAAYFAjmFBXIACgkQEsk6290HptxS  
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=BwVm  
-----END PGP PUBLIC KEY BLOCK-----

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## 8.396 scaposer\_2.10 1.7

## 8.397 scrooge-core\_2.10 3.13.2

## 8.398 scrooge-runtime\_2.10 3.13.2

## 8.399 scrooge-serializer\_2.10 3.13.2

## 8.400 sdparm 1.08

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This package was debianized by Tomas Fasth <tomfa@debian.org> on Wed, 8 Jun 2005 23:48:13 +0000.

It was downloaded from <http://sg.danny.cz/sg/p/sdparm-0.93.tgz>

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## 8.401 serializer 2.7.2

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\*/

/\*

\* \$Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas \$

\*/

package org.apache.xalan;

/\*\*

\* Administrative class to keep track of the version number of  
\* the Xalan release.

\* <P>This class implements the upcoming standard of having  
\* org.apache.project-name.Version.getVersion() be a standard way  
\* to get version information. This class will replace the older  
\* org.apache.xalan.processor.Version class.</P>

\* <P>See also: org/apache/xalan/res/XSLTInfo.properties for  
\* information about the version of the XSLT spec we support.</P>

\* @xsl.usage general

\*/

public class Version

{

/\*\*

\* Get the basic version string for the current Xalan release.

\* Version String formatted like

\* <CODE>"<B>Xalan</B> <B>Java</B> v.r[.dd] <B>D</B>nn]"</CODE>.

\*

\* Futurework: have this read version info from jar manifest.

\*

\* @return String denoting our current version

\*/

public static String getVersion()

{

```
    return getProduct()+" "+getImplementationLanguage()+" "  
        +getMajorVersionNum()+". "+getReleaseVersionNum()+". "  
        +(getDevelopmentVersionNum() > 0) ?  
        ("D"+getDevelopmentVersionNum()) : (" "+getMaintenanceVersionNum());
```

}

/\*\*

\* Print the processor version to the command line.

\*

\* @param argv command line arguments, unused.

\*/

public static void main(String argv[])

{

```

    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
 */
public static String getProduct()
{
    return "Xalan";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 *     significant, externally apparent enhancement from
 *     the previous release. 'n' represents the n'th
 *     version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 *     - a new set of functionality is to be added, eg,
 *       implementation of a new W3C specification.
 *     - API or behaviour change.
 *     - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

```



```

}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 *
 * Each 'D' drops can contain functional enhancements as
 * well as defect fixes. 'D' drops may not be as stable as
 * the final releases.
 */
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@").length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
}

```

# 8.402 servlet-api 2.5

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Version 1.0
```

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## 8.403 servo-core 0.5.2

### 8.404 setuptools 35.0.1

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## 8.406 simplejson 3.8.1

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## 8.407 SLF4J API Module 1.7.25

### 8.408 slf4j-api 1.7.21

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### 8.409 slf4j-api 1.7.2

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## 8.410 slf4j-api 1.7.7

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 *
*/
package org.slf4j;

import org.slf4j.helpers.BasicMarkerFactory;
import org.slf4j.helpers.Util;
import org.slf4j.impl.StaticMarkerBinder;

/**
 * MarkerFactory is a utility class producing { @link Marker } instances as
 * appropriate for the logging system currently in use.
 *
 * <p>
```

```

* This class is essentially implemented as a wrapper around an
* {@link IMarkerFactory} instance bound at compile time.
*
* <p>
* Please note that all methods in this class are static.
*
* @author Ceci G&uuml;lc&uuml;
*/
public class MarkerFactory {
    static IMarkerFactory markerFactory;

    private MarkerFactory() {
    }

    static {
        try {
            markerFactory = StaticMarkerBinder.SINGLETON.getMarkerFactory();
        } catch (NoClassDefFoundError e) {
            markerFactory = new BasicMarkerFactory();
        } catch (Exception e) {
            // we should never get here
            Util.report("Unexpected failure while binding MarkerFactory", e);
        }
    }

    /**
     * Return a Marker instance as specified by the name parameter using the
     * previously bound {@link IMarkerFactory} instance.
     *
     * @param name
     *     The name of the {@link Marker} object to return.
     * @return marker
     */
    public static Marker getMarker(String name) {
        return markerFactory.getMarker(name);
    }

    /**
     * Create a marker which is detached (even at birth) from the MarkerFactory.
     *
     * @param name the name of the marker
     * @return a dangling marker
     * @since 1.5.1
     */
    public static Marker getDetachedMarker(String name) {
        return markerFactory.getDetachedMarker(name);
    }
}

```

```

/**
 * Return the {@link IMarkerFactory} instance in use.
 *
 * <p>The IMarkerFactory instance is usually bound with this class at
 * compile time.
 *
 * @return the IMarkerFactory instance in use
 */
public static IMarkerFactory getIMarkerFactory() {
    return markerFactory;
}
}

```

## 8.411 slf4j-log4j12 1.7.2

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```

## 8.412 smartmontools 6.4 :1.0



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```
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/\* Stax2 API extension for Streaming API for XML processing (StAX).

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```
ignore
scl/syslogconf/convert-syslogconf.awk$
.*/*.am$
.*\.(yml|md|y|l|txt|xml|xsd|log|key|crt|files|in|conf)\.example|gradle|mk|supp|sub|guess|list|pc|.cmake)$
.*[/^]+-grammar\.[ch]$
(.*?)?(README|\.gitignore|pylintrc)$
lib/ivykis
lib/jsonc
modules/afamqp/rabbitmq-c
```



modules/afmongodb/mongo-c-driver  
modules/java/org\_syslog\_ng\_[^/\_-]+\,h\$  
modules/(afmongodb|afamqp)/dummy\.c\$  
dev-utils/plugin\_skeleton\_creator/plugin\_template.\*  
(lib|modules)/.\*\.conf\$  
dist\.conf\$  
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scl/syslog-ng\.conf\$  
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autogen\.sh\$  
cmake  
sub-configure\.sh\$  
configure\.ac\$  
Makefile\.am\$  
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lib/scanner/csv-scanner  
libtest  
syslog-ng(-ctl)?  
modules/java-modules/common  
modules/java/(native|proxies|src)  
modules/native  
GPLv2+\_SSL  
dev-utils/plugin\_skeleton\_creator/create\_plugin.sh  
tests  
modules/java/(tools|[^/]\*\$)  
modules/java-modules/(dummy|elastic|elastic-v2|hdfs|http|kafka|[^/]\*\$)  
modules/(afamqp|affile|afmongodb|afprog|afsmtp|afsocket|afsql|afstomp|afstreams|afuser|basicfuncs|cef|confgen|cry  
ptofuncs|csvparser|date|diskq|dbparser|geoip|graphite|json|kvformat|linux-kmsg-  
format|pacctformat|pseudofile|python|redis|riemann|syslogformat|systemd-journal|system-source|[^/]\*\$)

modules/add-contextual-data  
scl  
scripts  
GPLv2+\_SSL,non-balabit  
modules/http

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```
ignore
scl/syslogconf/convert-syslogconf.awk$
.*/*.am$
.*\.(yml|md|y|l|txt|xml|xsd|log|key|crt|files|in|conf|.example|gradle|mk|supp|sub|guess|list|pc|.cmake)$
.*[/^/]+-grammar\.[ch]$
(./)?(README|\.gitignore|pylintrc)$
lib/ivykis
lib/jsonc
modules/afamqp/rabbitmq-c
modules/afmongodb/mongo-c-driver
modules/java/org_syslog_ng_[^./-]+\.[h]$
modules/(afmongodb|afamqp)/dummy\.[c]$
dev-utils/plugin_skeleton_creator/plugin_template.*
(lib|modules)/.*\.conf$
dist\.conf$
.*\.[^.]gradle
scl/syslog-ng\.conf$
tests/copyright/policy$
(syslog-ng-)?config\.[h]$
lib/cfg-lex\.[ch]$
tgz2build
autom4te\.[c]ache
m4
Mk
.*\.(a|bin|class|css|dirstamp|html|idx|jar|js|o|la|lai|lo|MF|persist|Plo|Po|pc|pyc|so|so\.[0\.\0\.\0|soT|spec|trs)$
(./)?Makefile$
doc/man
(_configs)\.sed|\.[.]project|\.[.]cproject|config\.[.]status)$
stamp-h1$
tests/functional/test\.[.]conf$
scripts/update-patterndb$
(contrib|debian)
doc/ChangeLog\.[0-9]$
(\.[.]gitmodules|AUTHORS|COPYING|INSTALL|VERSION|aclocal\.[.]m4|compile|configure|depcomp|install-
sh|libtool|ltmain\.[.]sh|missing|test-driver|ylwrap)$
.*[/^./]*$
LGPLv2.1+_SSL
autogen\.[.]sh$
cmake
sub-configure\.[.]sh$
```

configure\ac\$  
Makefile\am\$  
lib/(compat|control|debugger|filter|logproto|parser|rewrite|stats|template|tests|transport|logmsg|value-pairs|[^/]\*\$)  
lib/scanner/csv-scanner  
libtest  
syslog-ng(-ctl)?  
modules/java-modules/common  
modules/java/(native|proxies|src)  
modules/native  
GPLv2+\_SSL  
dev-utils/plugin\_skeleton\_creator/create\_plugin.sh  
tests  
modules/java/(tools|[^/]\*\$)  
modules/java-modules/(dummy|elastic|elastic-v2|hdfs|http|kafka|[^/]\*\$)  
modules/(afamqp|affile|afmongodb|afprog|afsmtp|afsocket|afsql|afstomp|afstreams|afuser|basicfuncs|cef|confgen|cry  
ptofuncs|csvparser|date|diskq|dbparser|geoip|graphite|json|kvformat|linux-kmsg-  
format|pacctformat|pseudofile|python|redis|riemann|syslogformat|systemd-journal|system-source|[^/]\*\$)  
modules/add-contextual-data  
scl  
scripts  
GPLv2+\_SSL,non-balabit  
modules/http

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Upstream-Contact: Syslog-ng users' and developers' mailing list <syslog-ng@lists.balabit.hu>

Source: <git://github.com/balabit/syslog-ng.git>

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```
ignore
scl/syslogconf/convert-syslogconf.awk$
.*/*\.am$
.*\.(\.yml|md|y|l|txt|xml|xsd|log|key|crt|files|in|conf)\.example|gradle|mk|supp|sub|guess|list|pc\.cmake)$
.*[/^\^]+-grammar\.[ch]$
(.*?)?(README|\.gitignore|pylintrc)$
lib/ivykis
lib/jsonc
modules/afamqp/rabbitmq-c
modules/afmongodb/mongo-c-driver
modules/java/org_syslog_ng_[^/_-]+\.[h]$
modules/(afmongodb|afamqp)/dummy\.[c]$
dev-utils/plugin_skeleton_creator/plugin_template.*
(lib|modules)/.*\.conf$
dist\.[ch]$
.*\.[ch]
scl/syslog-ng\.[ch]$
tests/copyright/policy$
(syslog-ng-)?config\.[h]$
lib/cfg-lex\.[ch]$
tgz2build
autom4te\.[ch]$
m4
```

Mk  
 .\*\\(a|bin|class|css|dirstamp|html|idx|jar|js|o|la|lai|lo|MF|persist|Plo|Po|pc|pyc|so|so\\.0\\.0\\.0|soT|spec|trs)\$  
 (./)?Makefile\$  
 doc/man  
 (\_configs\\,sed\\,\\.project\\,\\.cproject|config\\,status)\$  
 stamp-h1\$  
 tests/functional/test\\.conf\$  
 scripts/update-patterndb\$  
 (contrib|debian)  
 doc/ChangeLog\\. [0-9]\$  
 (\\.gitmodules|AUTHORS|COPYING|INSTALL|VERSION|aclocal\\.m4|compile|configure|depcomp|install-  
 sh|libtool|ltmain\\.sh|missing|test-driver|ylwrap)\$  
 .\*[/^\\.]\*\$  
 LGPLv2.1+\_SSL  
 autogen\\.sh\$  
 cmake  
 sub-configure\\.sh\$  
 configure\\.ac\$  
 Makefile\\.am\$  
 lib/(compat|control|debugger|filter|logproto|parser|rewrite|stats|template|tests|transport|logmsg|value-pairs|[/^]\*\$)  
 lib/scanner/csv-scanner  
 libtest  
 syslog-ng(-ctl)?  
 modules/java-modules/common  
 modules/java/(native|proxies|src)  
 modules/native  
 GPLv2+\_SSL  
 dev-utils/plugin\_skeleton\_creator/create\_plugin.sh  
 tests  
 modules/java/(tools|[/^]\*\$)  
 modules/java-modules/(dummy|elastic|elastic-v2|hdfs|http|kafka|[/^]\*\$)  
 modules/(afamqp|affile|afmongodb|afprog|afsmtp|afsocket|afsql|afstomp|afstreams|afuser|basicfuncs|cef|confgen|cry  
 ptofuncs|csvparser|date|diskq|dbparser|geoip|graphite|json|kvformat|linux-kmsg-  
 format|pacctformat|pseudofile|python|redis|riemann|syslogformat|systemd-journal|system-source|[/^]\*\$)  
 modules/add-contextual-data  
 scl  
 scripts  
 GPLv2+\_SSL,non-balabit  
 modules/http

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====

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Files: src/udev/udev-ctrl.c

src/udev/udevadm-hwdb.c  
src/udev/udev-builtin.c  
src/udev/udev-builtin-net\_id.c  
src/udev/udev-builtin-net\_setup\_link.c  
src/udev/udev-builtin-hwdb.c  
src/udev/udev-builtin-btrfs.c  
src/udev/udev-builtin-keyboard.c  
src/udev/net/link-config.h  
src/udev/net/link-config.c  
src/udev/net/ethtool-util.c  
src/udev/net/ethtool-util.h

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- javaee\_5.xsd
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- javaee\_web\_services\_1\_3.xsd
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- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
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## 8.439 trustpool 1.6

# 8.440 Ubuntu 16.04.3 Server ISO 16.04.3

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This option is useful when you wish to copy part of the code of

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## 8.441 Unzip 6.0-20ubuntu1

### 8.441.1 Available under license :

This is the Debian prepackaged version of "unzip", Info-Zip's fast, portable, zipfile decompression utility.

This package is currently maintained by Santiago Vila <sanvila@debian.org> and built from sources obtained from:

<ftp://ftp.info-zip.org/pub/infozip/src/unzip60.tgz>

The changes were fairly minimal, and consisted solely of adding various debian/\* files to the distribution, plus several miscellaneous fixes as reflected in the Debian changelog.

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There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding in an apparatus that performs LZW encoding, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP License. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

- \* MoreFiles
- \*
- \* A collection of File Manager and related routines
- \*
- \* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- \* with significant code contributions by Nitin Ganatra
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\*  
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\*  
\* Basic encoding and decoding of Macintosh files to the  
\* MacBinary III spec.  
\* -----  
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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

-----

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-----

The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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## 8.442 upstart 1.13.2 :0ubuntu21.1

## 8.442.1 Available under license :

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```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class NotEnoughLicenses extends RuntimeException {  
}
```

```
/*=====
```

```
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```

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=====\*/



```
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```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class InvalidEditionLicense extends NotEnoughLicenses {
```

```
    public String feature;
```

```
    public String getFeature() {
```

```
        return this.feature;
```

```
    }
```

```
    public void setFeature(String feature) {
```

```
        this.feature=feature;
```

```
    }
```

```
    }
```

```
/*=====
```

```
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```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class ExpiredEditionLicense extends ExpiredFeatureLicense {
```

```
}
```

```
/*=====
```

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```
=====*/
```

```
package com.vmware.vim25;
```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

\*/

```
@SuppressWarnings("all")
public class ExpiredAddonLicense extends ExpiredFeatureLicense {
}
```

/\*=====

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
public class Permission extends DynamicData {
    public ManagedObjectReference entity;
    public String principal;
    public boolean group;
```

```

public int roleId;
public boolean propagate;

public ManagedObjectReference getEntity() {
    return this.entity;
}

public String getPrincipal() {
    return this.principal;
}

public boolean isGroup() {
    return this.group;
}

public int getRoleId() {
    return this.roleId;
}

public boolean isPropagate() {
    return this.propagate;
}

public void setEntity(ManagedObjectReference entity) {
    this.entity=entity;
}

public void setPrincipal(String principal) {
    this.principal=principal;
}

public void setGroup(boolean group) {
    this.group=group;
}

public void setRoleId(int roleId) {
    this.roleId=roleId;
}

public void setPropagate(boolean propagate) {
    this.propagate=propagate;
}
}
}

```

```

/*=====
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```

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=====\*/

```
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```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class VmLimitLicense extends NotEnoughLicenses {  
    public int limit;
```

```
    public int getLimit() {  
        return this.limit;  
    }
```

```
    public void setLimit(int limit) {  
        this.limit=limit;  
    }  
}
```

```
/*=====
```

```
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```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
 */
```

```
@SuppressWarnings("all")
```

```
public class VramLimitLicense extends NotEnoughLicenses {
```

```
    public int limit;
```

```
    public int getLimit() {
```

```
        return this.limit;
```

```
    }
```

```
    public void setLimit(int limit) {
```

```
        this.limit=limit;
```

```
    }
```

```
}
```

/\*-----

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=====\*/

```
package com.vmware.vim25;
import java.util.Calendar;
```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
 */
```

```
@SuppressWarnings("all")
```

```
public class ExpiredFeatureLicense extends NotEnoughLicenses {
```

```
    public String feature;
```

```
    public int count;
```

```
    public Calendar expirationDate;
```

```
    public String getFeature() {
```

```
        return this.feature;
```

```
    }
```

```

public int getCount() {
    return this.count;
}

public Calendar getExpirationDate() {
    return this.expirationDate;
}

public void setFeature(String feature) {
    this.feature=feature;
}

public void setCount(int count) {
    this.count=count;
}

public void setExpirationDate(Calendar expirationDate) {
    this.expirationDate=expirationDate;
}
}
}
/*=====
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```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class InvalidLicense extends VimFault {
```

```
    public String licenseContent;
```

```
    public String getLicenseContent() {
```

```
        return this.licenseContent;
```

```
    }
```

```
    public void setLicenseContent(String licenseContent) {
```

```
        this.licenseContent=licenseContent;
```

```
    }
```

```
}
```

```
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```

```
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```

```
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```
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```

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## 8.452 vim 7.4.1689 :3ubuntu1.3\_amd64

### 8.452.1 Available under license :

/\*

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Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F

\*uganda.txt\* For Vim version 7.4. Last change: 2013 Jul 06

VIM REFERENCE MANUAL by Bram Moolenaar

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## SUMMARY

\*iccf\* \*ICCF\*

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

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

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

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

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==== begin of license ====

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- 1) This license text must be included unmodified.
- 2) The modified Vim must be distributed in one of the following five ways:
  - a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
  - b) If you have received a modified Vim that was distributed as

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c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

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- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

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4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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<maintainer@vim.org>

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==== end of license ====

Note:

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- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

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

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

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

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is

also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

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

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

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

\*donate\*

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

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. 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:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:

Bram@iccf-holland.org

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

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: 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:

## 8.453 vim-common 2:7.4.1689 :3ubuntu1.3



## 8.453.1 Available under license :

```
$ !
$ !=====
$ !
$ ! VimTutor.com version 29-Aug-2002
$ !
$ ! Author: Tom Wyant <Thomas.R.Wyant-III@usa.dupont.com>
$ !
$ ! This DCL command procedure executes the vimtutor command
$ ! (surprise, surprise!) which gives you a brief tutorial on the
$ ! VIM editor. Languages other than the default are supported in
$ ! the usual way, as are at least some of the command qualifiers,
$ ! though you'll need to play some fairly serious games with DCL
$ ! to specify ones that need quoting.
$ !
$ ! Copyright (c) 2002 E. I. DuPont de Nemours and Company, Inc
$ !
$ ! This program is free software; you can redistribute it and/or
$ ! modify it under the terms of the VIM license as available from
$ ! the vim 6.1 ":help license" command or (at your option) the
$ ! license from any later version of vim.
$ !
$ ! This program 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.
$ !
$ !=====
$ !
$ !
$ ! Check for the existence of VIM, and die if it isn't there.
$ !
$ if f$search ("vim:vim.exe") .eqs. ""
$ then
$   write sys$error "Error - Can't run tutorial. VIM not found."
$   exit
$ endif
$ !
$ !
$ ! Pick up the argument, if any.
$ !
$ inx = 0
$ arg_loop:
$ inx = inx + 1
$ if f$type (p'inx') .nes. ""
$ then
$   if p'inx' .nes. "" .and. f$locate ("-", p'inx') .ne. 0
$   then
```

```

$ xx = p'inx'
$ assign/nolog ""'xx"" xx
$ p'inx' = ""
$ endif
$ goto arg_loop
$ endif
$ !
$ !
$ ! Make sure we clean up our toys when we're through playing.
$ !
$ on error then goto exit
$ !
$ !
$ ! Create the VIM foreign command if needed
$ !
$ if f$type (vim) .eqs. "" then vim := $vim:vim
$ !
$ !
$ ! Build the name for our temp file.
$ !
$ tutfil = "sys$login:vimtutor_" + -
  f$edit (f$getjpi (0, "pid"), "trim") + "."
$ assign/nolog 'tutfil' TUTORCOPY
$ !
$ !
$ ! Copy the selected file to the temp file
$ !
$ assign/nolog/user nla0: sys$error
$ assign/nolog/user nla0: sys$output
$ vim -u "NONE" -c "so $VIMRUNTIME/tutor/tutor.vim"
$ !
$ !
$ ! Run the tutorial
$ !
$ assign/nolog/user sys$command sys$input
$ vim -u "NONE" -c "set nocp" 'p1' 'p2' 'p3' 'p4' 'p5' 'p6' 'p7' 'p8' 'tutfil'
$ !
$ !
$ ! Ditch the copy.
$ !
$ exit:
$ if f$type (tutfil) .nes. "" .and. f$search (tutfil) .nes. "" then -
$ delete 'tutfil';*
$ if f$type (xx) .nes. "" then deassign xx
$ deassign TUTORCOPY
$ exit
$ !
$ !=====

```

\$ !  
\$ ! Modification history  
\$ !  
\$ ! 29-Aug-2002 T. R. Wyant  
\$ ! Changed license to vim.  
\$ ! Fix error "input is not from a terminal"  
\$ ! Juggle documentation (copyright and contact to front,  
\$ ! modification history to end).  
\$ ! 25-Jul-2002 T. R. Wyant  
\$ ! Initial version  
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Version 2, June 1991

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```
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```

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```
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```

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## 8.454 vim-runtime 2:7.4.1689-3ubuntu1.3

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<holder>Stefano Zacchiroli</holder>

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This package was put together by Wichert Akkerman <wakkerma@debian.org> from sources obtained from: ftp://ftp.vim.org/pub/vim/unix/. The current maintainer

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  - 4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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<maintainer@vim.org>

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On Debian systems the GNU General Public License (GPL) version 2 is located on the filesystem at /usr/share/common-licenses/GPL-2.

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                  2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE

Voice phone:    (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F

" Vim syntax file

" Language: Software Distributor product specification file

" (POSIX 1387.2-1995).

```

" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

if version < 600
" Remove any old syntax stuff hanging around
syn clear
elseif exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

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

syn match psfUnquotString +[^"# ][^#]*+ contained
syn region psfQuotString  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]\+)*\(\s\+\<[-_+A-Z0-9a-z]\+(\.[-_+A-Z0-9a-z]\+)*\)*" contained

syn match psfNumber  "\<d\|>" contained
syn match psfFloat   "\<d\|+\>(\.|\<d\|+\>)*" contained

syn match psfLongDate "\<d\|d\|d\|d\|d\|d\|d\|d\|d\|d\|d\|d\>" contained

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

syn keyword psfBoolean false true 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=~$~ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=~^\s*[^# ]\|s\|+"~rs=e-1
contains=psfQuotString,psfComment skip=~\|~ matchgroup=psfQuotString end=~"~ keepend

```

```

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend
oneline

syn region psfAttSpec matchgroup=psfAttrib
start="^\s*(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exquisites\|prerequisites\|software_spec\|
supersedes\|superseded_by\)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend

syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\+" contains=psfObjTags,psfComment end="$"
keepend

syn region psfAttNumber matchgroup=psfAttrib
start="^\s*(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^\s*(create_time\|ctime\|mod_time\|mtime\|timestamp)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision\|layout_version)\s\+"
contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment
end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*(state)\s\+" contains=psfState,psfComment end="$"
keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state)\s\+" contains=psfPState,psfComment
end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="^\s*(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse)\s\+"
contains=psfBoolean,psfComment end="$" keepend oneline

syn match psfComment "#.*$"

" Define 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
endif

```

```
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

```
*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
```

```
*iccf* *ICCF*
```

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [|kcc|](#) below or visit the ICCF web site, available at these URLs:

```
http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/
```

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [|sponsor|](#). The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [|manual-copyright|](#).

```
==== begin of license ====
```

VIM LICENSE

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1) This license text must be included unmodified.  
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a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

---

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

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

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

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

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

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

There is a small clinic at the project, which provides children and their



family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

\*donate\*

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

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. 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:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:

Bram@iccf-holland.org

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

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A  
IBAN: 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:

/\*

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2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE  
Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F  
" Vim syntax file  
" Language: Software Distributor product specification file  
" (POSIX 1387.2-1995).  
" Maintainer: Rex Barzee <rex\_barzee@hp.com>  
" Last change: 25 Apr 2001

if version < 600

" Remove any old syntax stuff hanging around

syn clear

elseif exists("b:current\_syntax")

finish

endif

" Product specification files are case sensitive

syn case match

syn keyword psfObject bundle category control\_file depot distribution

syn keyword psfObject end file fileset host installed\_software media

syn keyword psfObject product root subproduct vendor

syn match psfUnquotString +[^"# ][^#]\*+ contained

syn region psfQuotString 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]\+\(\.[-\_+A-Z0-9a-z]\+\)\*\(\(s\+\<[-\_+A-Z0-9a-z]\+\|\(\.[-\_+A-Z0-9a-z]\+\)\)\*\)" contained

syn match psfNumber "\<[d]\+\>" contained

syn match psfFloat "\<[d]\+\>(\.[d]\+\>)\*" contained

syn match psfLongDate "\<[d]\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\>" contained

syn keyword psfState available configured corrupt installed transient contained

syn keyword psfPState applied committed superseded contained

syn keyword psfBoolean false true 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=~$~ keepend oneline
```

```
syn region psfAttQuotString matchgroup=psfAttrib start=~^\s*[\^# ]\+\s\+"~rs=e-1
contains=psfQuotString,psfComment skip=~\|~ matchgroup=psfQuotString end=~"~ keepend
```

" These regions are defined in attempt to do syntax checking for some  
" of the attributes.

```
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend
oneline
```

```
syn region psfAttSpec matchgroup=psfAttrib
start="^\s*(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exrequisites\|prerequisites\|software_spec\|
supersedes\|superseded_by\)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend
```

```
syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\+" contains=psfObjTags,psfComment end="$"
keepend
```

```
syn region psfAttNumber matchgroup=psfAttrib
start="^\s*(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline
```

```
syn region psfAttTime matchgroup=psfAttrib start="^\s*(create_time\|ctime\|mod_time\|mtime\|timestamp)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline
```

```
syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision\|layout_version)\s\+"
contains=psfFloat,psfComment end="$" keepend oneline
```

```
syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment
end="$" keepend oneline
```

```
syn region psfAttState matchgroup=psfAttrib start="^\s*(state)\s\+" contains=psfState,psfComment end="$"
keepend oneline
```

```
syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state)\s\+" contains=psfPState,psfComment
end="$" keepend oneline
```

```
syn region psfAttBoolean matchgroup=psfAttrib
start="^\s*(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse)\s\+"
contains=psfBoolean,psfComment end="$" keepend oneline
```

```
syn match psfComment "#.*$"
```

" Define 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

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

## SUMMARY

\*iccf\* \*ICCF\*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

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

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

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

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see |manual-copyright|.

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- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
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- 4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.



- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

---

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

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

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

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

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

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given.

Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

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

\*donate\*

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

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. 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:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:

Bram@iccf-holland.org

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

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: 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:

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Version 2, June 1991

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<one line to give the program'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.

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

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

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

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

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

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

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This is the Debian pre-packaged version of vim. Vim is an almost compatible version of the UNIX editor Vi. Many new features have been added: multi level undo, syntax highlighting, command line history, on-line help, filename completion, block operations, etc.

This package was put together by Wichert Akkerman <wakkerma@debian.org> from sources obtained from: ftp://ftp.vim.org/pub/vim/unix/. The current maintainer is Debian VIM Maintainers <pkg-vim-maintainers@lists.alioth.debian.org>.

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import java.util.Calendar;
```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class ExpiredFeatureLicense extends NotEnoughLicenses {
```

```
    public String feature;
```

```
    public int count;
```

```
    public Calendar expirationDate;
```

```
    public String getFeature() {
```

```
        return this.feature;
```

```
    }
```

```
    public int getCount() {
```

```
        return this.count;
```

```
    }
```

```
    public Calendar getExpirationDate() {
```

```
        return this.expirationDate;
```

```
    }
```

```
    public void setFeature(String feature) {
```

```
        this.feature=feature;
```

```
    }
```

```
    public void setCount(int count) {
```

```

    this.count=count;
}

public void setExpirationDate(Calendar expirationDate) {
    this.expirationDate=expirationDate;
}
}
}
/*=====
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=====*/

package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class ExpiredAddonLicense extends ExpiredFeatureLicense {
}

```

/\*-----

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=====\*/

```
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```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
 */
```

```
@SuppressWarnings("all")
```

```
public class VmLimitLicense extends NotEnoughLicenses {  
    public int limit;
```

```
    public int getLimit() {  
        return this.limit;  
    }
```

```
    public void setLimit(int limit) {  
        this.limit=limit;  
    }
```

```
}
/*=====
```

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```
=====*/
```

```
package com.vmware.vim25;
```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
```

```
@SuppressWarnings("all")
public class VramLimitLicense extends NotEnoughLicenses {
    public int limit;

    public int getLimit() {
        return this.limit;
    }

    public void setLimit(int limit) {
        this.limit=limit;
    }
}
```

```
}
```

```
}
```

```
/*=====
```

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```
=====*/
```

```
package com.vmware.vim25;
```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class Permission extends DynamicData {
```

```
    public ManagedObjectReference entity;
```

```
    public String principal;
```

```
    public boolean group;
```

```
    public int roleId;
```

```
    public boolean propagate;
```

```
    public ManagedObjectReference getEntity() {
```

```

    return this.entity;
}

public String getPrincipal() {
    return this.principal;
}

public boolean isGroup() {
    return this.group;
}

public int getRoleId() {
    return this.roleId;
}

public boolean isPropagate() {
    return this.propagate;
}

public void setEntity(ManagedObjectReference entity) {
    this.entity=entity;
}

public void setPrincipal(String principal) {
    this.principal=principal;
}

public void setGroup(boolean group) {
    this.group=group;
}

public void setRoleId(int roleId) {
    this.roleId=roleId;
}

public void setPropagate(boolean propagate) {
    this.propagate=propagate;
}
}
}

```

```

/*=====
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```

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=====\*/

```
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```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class NotEnoughLicenses extends RuntimeException {  
}
```

```
/*=====
```

```
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```

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```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class InvalidLicense extends VimFault {
```

```
    public String licenseContent;
```

```
    public String getLicenseContent() {
```

```
        return this.licenseContent;
```

```
    }
```

```
    public void setLicenseContent(String licenseContent) {
```

```
        this.licenseContent=licenseContent;
```

```
    }
```

```
}
```

```
/*=====
```

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=====\*/

```
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```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class InvalidEditionLicense extends NotEnoughLicenses {  
    public String feature;
```

```
    public String getFeature() {  
        return this.feature;  
    }  
}
```

```
    public void setFeature(String feature) {  
        this.feature=feature;  
    }  
}
```

```
/*=====
```

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=====\*/

```
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```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
 */
```

```
@SuppressWarnings("all")
```

```
public class ExpiredEditionLicense extends ExpiredFeatureLicense {  
}
```

```
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```
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```
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## 8.457 wamerican 7.1-1

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It was downloaded from:  
<http://prdownloads.sourceforge.net/wordlist/scowl-5.tar.gz>

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Arcata, CA 95521-4884

grady@netcom.com  
grady@northcoast.com

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> be lacking any copyright notice.

There were many many sources in total, but any text marked  
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source. An earlier version of the list resided in a filespace called  
PUBLIC on the University mainframe, because it was considered public  
domain.

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

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least 11 of 12 dictionaries as indicated in the 12Dicts package. All  
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The 50 level includes Brian's frequency class 1, words words appearing in at least 5 of 12 of the dictionaries as indicated in the 12Dicts package, and uppercase words in at least 4 of the previous 12 dictionaries. A decent number of proper names is also included: The top 1000 male, female, and Last names from the 1990 Census report; a list of names sent to me by Alan Beale; and a few names that I added myself. Finally a small list of abbreviations not commonly found in other word lists is included.

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The 70 level includes Brian's frequency class 0 and the 74,550 common dictionary words from the MWords package. The common dictionary words, like those from the 12Dicts package, have had all likely inflections added. The 70 level also included the 5desk list from version 4.0 of the 12Dics package which is the public domain.

The 80 level includes the ENABLE word list, all the lists in the



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From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

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

The 35 level includes frequency classes 2-6 and words appearing in at least 11 of 12 dictionaries as indicated in the 12Dicts package. All words from the 12Dicts package have had likely inflections added via my inflection database.

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The 50 level includes Brian's frequency class 1, words words appearing in at least 5 of 12 of the dictionaries as indicated in the 12Dicts package, and uppercase words in at least 4 of the previous 12 dictionaries. A decent number of proper names is also included: The top 1000 male, female, and Last names from the 1990 Census report; a list of names sent to me by Alan Beale; and a few names that I added myself. Finally a small list of abbreviations not commonly found in other word lists is included.

The name files from the Census report is a government document which I don't think can be copyrighted.

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The 70 level includes Brian's frequency class 0 and the 74,550 common dictionary words from the MWords package. The common dictionary words, like those from the 12Dicts package, have had all likely inflections added. The 70 level also included the 5desk list from version 4.0 of the 12Dics package which is the public domain.

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

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## 8.466 x11-utils 7.7 :3

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Client application for querying drivers' configuration information

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Client application for querying drivers' configuration information

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# 8.467 x11proto-input-dev 2.3.1 :1

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## 8.475 xmlunit-matchers 2.3.0

## 8.476 xorg-sgml-doctools 1.11 :1

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## 8.479 zap 1.7.1

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Carriage\_Control carriage\_return  
Format stream\_lf

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```
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}  
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    margin-top: 0.5em;  
    margin-bottom: 0.5em;  
}  
p.list {  
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## 9.4 log4j-api 2.7

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