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1.3 libxtst 1.2.3-1

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1.5 visual-studio-runtime 14.16.27012.6

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1.7 lua-cjson 2.1.0

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

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

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1.14 mime-support 3.60ubuntu1

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1.15 alsalib 1.1.3-5ubuntu0.2

1.16 jackson-databind 2.9.10.4
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package com.sun.jna;

/** Tagging interface to indicate the library or callback uses an alternate * calling convention. *
 * @author twall */
public interface AltCallingConvention {}

1.20 apk-tools 2.7.1-r0

1.21 icu 60.2-3ubuntu3.1

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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) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<

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

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

%: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
$(SHELL) -ec "$\{\$(GEN_DEPS.cc) $< | sed \"s/#/\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

1.22 elfutils 0.170-0.4ubuntu0.1

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Version 3, 29 June 2007

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

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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)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
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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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
-----------------------------

The :mod:`xmlrpc.client` module contains the following notice::

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Select kqueue
-------------

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SipHash24
--------

The file `Python/pyhash.c` contains Marek Majkowski’ implementation of
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Original location:
   https://github.com/majek/csiphash/

Solution inspired by code from:
   Samuel Neves (supercop/crypto_auth/siphash24/little)
   djb (supercop/crypto_auth/siphash24/little2)
   Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

```strtod and dtoa
--------------
```
The file `Python/dtoa.c`, which supplies C functions dtoa and
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-------

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cfuhash

------

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1.30 audit 2.6.7 2

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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/AbstractSniHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/Ocsp/OcspClientHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/Conscrypt.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/Java9SslUtils.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/Java9SslEngine.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/SslCompletionEvent.java

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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/KeyManagerFactoryWrapper.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/SimpleKeyManagerFactory.java
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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/SniHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
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jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/OpenSslSessionContext.java
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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509Certificate.java
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 * /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/Tmux.java
 * /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/Less.java
 * /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/Commands.java
 * /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/Nano.java

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* /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/Builtins.java
* /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/CommandRegistry.java
* /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/SystemRegistryImpl.java
* /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/ConsoleEngine.java
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* /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/widgets.java
* /opt/ws_local/PERMITS_SQL/1082934850_1597979199.52/0/jline-builtins-3-14-1-sources-jar/org/jline/builtins/Completers.java
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* java.sun.security.ssl

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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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1.50 jackson 2.8.11
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jar/org/jline/terminal/impl/PosixPtyTerminal.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/utils/NonBlockingInputStream.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
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* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/impl/ExternalTerminal.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/NonBlockingInputStreamImpl.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/NonBlockingReaderImpl.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/NonBlockingReader.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/NonBlocking.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/AttributedStyle.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/StyleResolver.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/impl/LineDisciplineTerminal.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/impl/DumbTerminal.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/Terminal.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/Size.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/Curses.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/impl/PosixSysTerminal.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/Colors.java

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* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/package-info.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/ShutdownHooks.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/impl/NativeSignalHandler.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/DiffHelper.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/Log.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/Signals.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/Cursor.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/package-info.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/Levenshtein.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/OsUtils.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/ClosedException.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/MouseEvent.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/impl/ExecPty.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/ExecHelper.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/AttributedString.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/impl/MouseSupport.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/Attributes.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/terminal/spi/Pty.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/WCWidth.java
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black
maroon
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purple
teal
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red
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yellow
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fuchsia
aqua
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blue3a
blue1
darkgreen
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deepskyblue4b
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mediumorchid
mediumpurple2
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thistle3
plum2
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auto_left_margin, bw, bw
auto_right_margin, am, am
back_color_erase, bce, ut
can_change, ccc, cc
define_char, defc, ZE
delete_character, dch1, dc
delete_line, dl1, dl
dial_phone, dial, DI
dis_status_line, dsl, ds
display_clock, dclk, DK
down_half_line, hd, hd
ena_acs, enacs, eA
enter_alt_charset_mode, smacs, as
enter_am_mode, smam, SA
enter_blink_mode, blink, mb
enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
enter_delete_mode, smdc, dm
enter_dim_mode, dim, mh
enter_doublewide_mode, swidm, ZF
enter_draft_quality, sdrfq, ZG
enter_insert_mode, smir, im
enter_italics_mode, sitm, ZH
enter_leftward_mode, slm, ZI
enter_micro_mode, smicm, ZJ
enter_near_letter_quality, snlq, ZK
enter_normal_quality, snrq, ZL
enter_protected_mode, prot, mp
enter_reverse_mode, rev, mr
enter_secure_mode, invis, mk
enter_shadow_mode, sshm, ZM
enter_standout_mode, smso, so
enter_subscript_mode, ssubm, ZN
enter_superscript_mode, ssupm, ZO
enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
enter_xon_mode, smxon, SX
erase_chars, ech, ec
exit_alt_charset_mode, rmacs, ae
exit_am_mode, rmam, RA
exit_attribute_mode, sgr0, me
exit_ca_mode, rmcup, te
exit_delete_mode, rmdc, ed
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exit_insert_mode, rmir, ei
exit_italics_mode, ritm, ZR
exit_leftward_mode, rlm, ZS
exit_micro_mode, rmicm, ZT
exit_shadow_mode, rshm, ZU
exit_standout_mode, rmso, se
exit_subscript_mode, rsubm, ZV
exit_superscript_mode, rsupm, ZW
exit_underline_mode, rmul, ue
exit_upward_mode, rum, ZX
exit_xon_mode, rmxon, RX
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flash_screen, flash, vb
form_feed, ff, ff
from_status_line, fsl, fs
goto_window, wingo, WG
hangup, hup, HU
init_1string, is1, i1
init_2string, is2, is
init_3string, is3, i3
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init_prog, iprog, iP
initialize_color, initc, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
key_a1, ka1, K1
key_a3, ka3, K3
key_b2, kb2, K2
key_backspace, kbs, kb
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key_cancel, kcan, @2
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key_create, kcr, @6
key_catab, ktbc, ka
key_clear, kclr, kC
key_close, kc1o, @3
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key_catab, kctab, kt
key_dc, kdeh1, kD
key_dl, kd1l, kL
key_down, kccd1, kd
key_eic, kmir, kM
key_end, kend, @7
key_enter, kent, @8
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key_eos, ked, kS
key_exit, kext, @9
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key_f63, kf63, Fr
key_f7, kf7, k7
key_f8, kf8, k8
key_f9, kf9, k9
key_find, kfnd, @0
key_help, khlp, %1
key_home, khome, kh
key_ic, kich1, kI
key_il, kil1, kA
key_left, kcub1, kl
key_ll, kll, kH
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key_message, kmsg, %3
key_move, kmov, %4
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key_options, kopt, %7
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key_previous, kprv, %8
key_print, kprt, %9
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key_replace, krlpl, &3
key_restart, krst, &4
key_resume, kres, &5
key_right, kcrf1, kr
key_save, ksav, &6
key_sbeg, kBEG, &9
key_scancel, kCAN, &0
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key_scopy, kCPY, *2
key_screate, kCRT, *3
key_sdc, kDC, *4
key sdl, kDL, *5
key_select, kslt, *6
key_send, kEND, *7
key_seol, kEOL, *8
set_color_pair, scp, sp
set_foreground, setf, Sf
set_left_margin, smgl, ML
set_left_margin_parm, smglp, Zm
set_right_margin, smgr, MR
set_right_margin_parm, smgrp, Zn
set_tab, hts, st
set_top_margin, smgt, Zo
set_top_margin_parm, smgtp, Zp
set_window, wind, wi
start_bit_image, sbim, Zq
start_char_set_def, scsd, Zr
stop_bit_image, rbim, Zs
stop_char_set_def, rcsd, Zt
subscript_characters, subcs, Zu
superscript_characters, supcs, Zv
tab, ht, ta
document these cause cr, docr, Zw
to_status_line, tsl, ts
tone, tone, TO
underline_char, uc, uc
up_half_line, hu, hu
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bit_image_newline, binel, Zz
bit_image_repeat, birep, Xy
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pkey_plab, pfxl, xl
req_mouse_pos, reqmp, RQ
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set1_des_seq, s1ds, s1
set2_des_seq, s2ds, s2
set3_des_seq, s3ds, s3
set_a_background, setab, AB
set_a_foreground, setaf, AF
set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
set_page_length, slines, YZ
set_tb_margin, smgtb, MT
enter_horizontal_hl_mode, ehhlm, Xh
enter_left_hl_mode, elhlm, Xl
enter_low_hl_mode, eloihm, Xo
enter_right_hl_mode, erhlm, Xr
enter_top_hl_mode, ethlm, Xt
enter_vertical_hl_mode, evhlm, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/capabilities.txt
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jar/org/jline/utils/NonBlockingPumpReader.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/impl/AbstractWindowsConsoleWriter.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/utils/NonBlockingPumpInputStream.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/impl/AbstractPty.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/TerminalBuilder.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/spi/JnaSupport.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/spi/JansiSupport.java

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jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/utils/AttributedCharSequence.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/impl/AbstractPty.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/terminalBuilder.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/utils/Status.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/utils/InfoCmp.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
jar/org/jline/terminal/spi/JnaSupport.java
* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-
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* /opt/ws_local/PERMITS_SQL/1062753152_1592843647.6/0/jline-terminal-3-14-1-sources-jar/org/jline/utils/AnsiWriter.java

1.55 dropwizard-util 1.3.23

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1.56 pwauth 2.3.11-0.2
1.57 patch 2.7.6-r6

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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-
jar/jnr/ffi/mapper/ToNativeConverter.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-
jar/jnr/ffi/byref/AddressByReference.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/ARM_64StubCompiler.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/StubCompiler.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/NativeRuntime.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/byref/ShortByReference.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/annotations/SaveError.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/AbstractA64StubCompiler.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/ShareMemoryIO.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/ParameterFlags.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/SkinnyMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/LibraryLoader.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/Invoker.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/CallingConvention.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/Address.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/AbstractArrayMemoryIO.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/annotations/Clear.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/InvocationSession.java
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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/byref/LongLongByReference.java
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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/byref/PointerByReference.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/byref/ByteByReference.java
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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/platform/ppc64le/linux/TypeAliases.java

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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/provider/jffi/ClosureTypeMapper.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/provider/jffi/NativeClosureProxy.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/provider/jffi/platform/i386/windows/TypeAliases.java
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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/provider/converters/StructArrayParameterConverter.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/provider/converters/BoxedByteArrayParameterConverter.java
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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/provider/converters/NumberByReference.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/provider/converters/BoxedByteArrayParameterConverter.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources.jar/jnr/ffi/byref/NumberByReference.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-
jar/jnr/ffi/types/fsfilcnt_t.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/converters/NativeLong64ArrayParameterConverter.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/annotations/Encoding.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/annotations/TypeDefinition.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/types/time_t.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/types/mode_t.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/mapper/FromNativeType.java
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* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/InterfaceScanner.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/mapper/SimpleTypeMapper.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/ParameterType.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/ResultType.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/ConverterMetaData.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/SigType.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/FromNativeType.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/mapper/SimpleFunctionMapper.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/AnnotationTypeMapper.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/jffi/Types.java
* /opt/ws_local/PERMITS_SQL/1026589873_1591372367.65/0/jnr-ffi-2-1-11-sources-jar/jnr/ffi/provider/NativeVariable.java

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depends=
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subpackages="Spkgname-dev"
builddir="$/srcdir/libart_lgpl-$pkgver"
build() {
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  ./configure --prefix=/usr || return 1
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  jar/org/codehaus/janino/tools/package-info.java
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  jar/org/codehaus/janino/samples/package-info.java
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* /opt/ws_local/PERMITS_SQL/1020456226_1591369583.76/0/janino-3-1-0-sources-jar/org/codehaus/janino/AntCompilerAdapter.java
* /opt/ws_local/PERMITS_SQL/1020456226_1591369583.76/0/janino-3-1-0-sources-jar/org/codehaus/janino/SimpleCompiler.java
1.65 go-rootcerts 1.0.0

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

That's all there is to it!
---
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>.'
builtRequires:
  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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The End

#!/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 =~ /.*\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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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.71 dropwizard-forms 1.3.24

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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/methods"
type label struct {
*flags.ClientFlag
}

func init() {
cli.Register("license.label.set", &label{})
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
}

func (cmd *label) Usage() string {
    return "LICENSE KEY VAL"
}

func (cmd *label) Description() string {
    return `Set license labels.

Examples:
govc license.label.set 00000-00000-00000-00000-00000 team cnx # add/set label
govc license.label.set 00000-00000-00000-00000-00000 team "" # remove label
govc license.ls -json | jq '.[].LabelKey == "team"' .LicenseKey``
}

func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This: m.Reference(),
        LicenseKey: f.Arg(0),
        LabelKey:   f.Arg(1),
        LabelValue: f.Arg(2),
    }
}
_, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
return err
}

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#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if ! $(govc license.ls -json | jq -r .[0].EditionKey) != "eval" ; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[].LicenseKey == "$1\""
}

get_property() {
    jq -r ".Properties[].Key == "$1\" .Value"
}

get_label() {
    govc license.ls -json | jq ".[].LicenseKey == "$1\" .Labels[].Key" | wc -l
}

get_nlabel() {
    govc license.ls -json | jq ".[].LicenseKey == "$1\" .Labels[].Key" | wc -l
}

@test "license.add" {
    esx_env
    verify_evaluation

    run govc license.add -json 00000-00000-00000-00000-00001 00000-00000-00000-00000-00002
    assert_success
# Expect to see an entry for both the first and the second key
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00001 <<<${output} | get_property diagnostic)"
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00002 <<<${output} | get_property diagnostic)"

@test "license.remove" {
  esx_env

  verify_evaluation

  run govc license.remove -json 00000-00000-00000-00000-00001
  assert_success
}

@test "license.ls" {
  vcsim_env

  verify_evaluation

  run govc license.ls -json
  assert_success

  # Expect the test instance to run in evaluation mode
  assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<${output} | jq -r ".Name")"
}

@test "license.decode" {
  esx_env

  verify_evaluation

  key=00000-00000-00000-00000-00000
  assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

@test "license.label.set" {
  vcsim_env

  key=00000-00000-00000-00000-00000

  assert_equal 0 "$(get_nlabel $key)"
  assert_equal "" "$(get_label $key foo)"

  run govc license.label.set $key foo bar
  assert_success
assert_equal 1 "$(get_nlabel $key)"
assert_equal bar "$(get_label $key foo)"

run govc license.label.set $key biz baz
assert_success
run govc license.label.set $key foo bar2
assert_success

assert_equal 2 "$(get_nlabel $key)"
assert_equal bar2 "$(get_label $key foo)"

run govc license.label.set $key foo ""
assert_success

assert_equal 1 "$(get_nlabel $key)"
assert_equal "" "$(get_label $key foo)"
}
Paul Borman <borman@google.com>
bmatsuo
shawnps
theory
jboverfelt
dsymonds
cd1
wallclockbuilder
dansouza
/
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package simulator

import (
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "serialuri:2",
                Value: "Remote virtual Serial Port Concentrator",
            },
            {
                Key: "feature",
                Value: types.KeyValue{
                    Key: "dvs",
                    Value: "vSphere Distributed Switch",
                },
            },
        },
    }
}

type LicenseManager struct {
    mo.LicenseManager
}

func (m *LicenseManager) init(r *Registry) {
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
    if r.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{},
    }
    
    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }
    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels: req.Labels,
    })
    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)
    return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{},
    }
    
    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...])
            return body
        }
    }
    return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{
    }
    
    for i := range m.Licenses {
        license := &m.Licenses[i]
        if req.LicenseKey != license.LicenseKey {
            continue
        }
    }
    for i := range m.Licenses {
        license := &m.Licenses[i]
        if req.LicenseKey != license.LicenseKey {
            continue
        }
    }
}
body.Res = new(types.UpdateLicenseLabelResponse)
for j := range license.Labels {
    label := &license.Labels[j]
    if label.Key == req.LabelKey {
        if req.LabelValue == ""
            license.Labels = append(license.Labels[:i], license.Labels[i+1:...])
        else {
            label.Value = req.LabelValue
        }
        return body
    }
}
license.Labels = append(license.Labels, types.KeyValue{
    Key:   req.LabelKey,
    Value: req.LabelValue,
})
return body
body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        id := types.ManagedObjectReference{
            Type: "HostSystem",
            Value: req.EntityId,
        }
        if Map.Get(id) == nil {
            // Code
return body
}
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
{
EntityId: req.EntityId,
AssignedLicense: EvalLicense,
},
}

return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
info := EvalLicense

info.LicenseKey = key
info.Labels = labels

return info
}

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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{})
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
}
func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
}

package license

import {
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"

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    */

    package license
type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:\tEdition:\tUsed:\tTotal:\n")
    for _, v := range res {
        fmt.Fprintf(tw, "%s\t", v.LicenseKey)
        fmt.Fprintf(tw, "%s\t", v.EditionKey)
        fmt.Fprintf(tw, "%d\t", v.Used)
        fmt.Fprintf(tw, "%d\t", v.Total)
    }
    return tw.Flush()
}

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*/

package license

import (  
    "context"
    "flag"
    
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

// type decode struct {
//     *flags.ClientFlag
//     *flags.OutputFlag

// feature string
func init() {
    cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    if cmd.feature != "" {
result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

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*/

class license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{ })
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)
    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)
}
cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
cmd.ClusterFlag.Register(ctx, f)

f.StringVar(&cmd.name, "name", "", "Display name")
f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.HostSystemFlag.Process(ctx); err != nil {
    return err
}
return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.
Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
if f.NArg() != 1 {
    return flag.ErrHelp
}
key := f.Arg(0)

client, err := cmd.Client()
if err != nil {
    return err
}

m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}
host, err := cmd.HostSystemIfSpecified()
if err != nil {
    return err
}

var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    if cluster == nil {
        // Default to vCenter UUID
        id = client.ServiceContent.About.InstanceUuid
    } else {
        id = cluster.Reference().Value
    }
} else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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*/

package simulator

import (  
"context"  
"reflect"  
"testing"  
  
"github.com/vmware/govmomi"  
"github.com/vmware/govmomi/find"  
"github.com/vmware/govmomi/license"  )

func TestLicenseManagerVPX(t *testing.T) {  
ctx := context.Background()  
m := VPX()  

defer m.Remove()  

err := m.Create()  
if err != nil {  
t.Fatal(err)  
}

s := m.Service.NewServer()  
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)  
if err != nil {  
t.Fatal(err)  
}

lm := license.NewManager(c.Client)  
am, err := lm.AssignmentManager(ctx)  
if err != nil {  
t.Fatal(err)  
}

la, err := am.QueryAssigned(ctx, "enoent")  
if err != nil {  
t.Fatal(err)  
}

if len(la) != 0 {  
t.Errorf("unexpected license")  
}
finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/..."
if err != nil {
    t.Fatal(err)
}
host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }
    if len(la) != 1 {
        t.Fatal("no licenses")
    }
    if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
        t.Fatal("invalid license")
    }
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    _, err = lm.AssignmentManager(ctx)
    if err != nil {
    }
}
```go
t.Fatal("expected error")
}
la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}
if len(la) != 1 {
    t.Fatal("no licenses")
}
if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}
}
func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
m := ESX()
    defer m.Remove()
    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }
s := m.Service.NewServer()
    defer s.Close()
    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }
    lm := license.NewManager(c.Client)
    key := "00000-00000-00000-00000-11111"
    labels := map[string]string{"key": "value"}
    info, err := lm.Add(ctx, key, labels)
    if err != nil {
        t.Fatal(err)
    }
    if info.LicenseKey != key {
        t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
    }
```
if len(info.Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d",
        len(labels), len(info.Labels))
}

if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}",
        info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 2 {
    t.Fatalf("no licenses")
}

if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q",
        key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d",
        len(labels), len(la[1].Labels))
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}",
        la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatalf("no licenses")
}
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*/

package license

import (
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init()

cli.Register("license.assigned.ls", &assigned{ })

}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.ClientFlag.OutputFlag = f
    cmd.ClientFlag.Register(ctx, f)
}
cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
cmd.OutputFlag.Register(ctx, f)

f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
client, err := cmd.Client()
if err != nil {
    return err
}
m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}
assigned, err := m.QueryAssigned(ctx, cmd.id)
if err != nil {
    return err
}
return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
for _, v := range res {
    fmt.Fprintf(tw, "%s\t", v.EntityId)
    fmt.Fprintf(tw, "%s\t", v.Scope)
    fmt.Fprintf(tw, "%s\t", v.EntityDisplayName)
    fmt.Fprintf(tw, "%s\n", v.AssignedLicense.LicenseKey)
}
return tw.Flush()}
package license

import (
    "context"
    "flag"
    "fmt"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{ })
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {

}
if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
return nil
}

func (cmd *add) Usage() string {
    return "KEY...
"
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    
    // From the vSphere 5.5 documentation:
    //
    // To specify the edition type and any optional functions, use
    // updateLicense for ESX Server and addLicense follow by
    // LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
    //
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
    }

    result := make(licenseOutput, 0)
    for _, v := range f.Args() {
        license, err := addFunc(ctx, v, nil)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    return result
}
return cmd.WriteResult(licenseOutput(result))
}
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*/

package license

import (   
    "context"   
    "flag"   
    "github.com/vmware/govmomi/govc/cli"   
    "github.com/vmware/govmomi/govc/flags"   
    "github.com/vmware/govmomi/license"   
)

var featureUsage = "List licenses with given feature"

type ls struct {   
*flags.ClientFlag   
*flags.OutputFlag

    feature string   
}

func init() {   
cli.Register("license.ls", &ls{ })   
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {   
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)   
    cmd.ClientFlag.Register(ctx, f)   
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)   
    cmd.OutputFlag.Register(ctx, f)
func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }
    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }
    return cmd.WriteResult(licenseOutput(result))
}

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*/
package license

import {
    "context"

    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
}

type AssignmentManager struct {
    object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
    req := types.QueryAssignedLicenses{
        This:     m.Reference(),
        EntityId: id,
    }

    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This:     m.Reference(),
        EntityId: id,
    }

    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

    return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }

    return
}
res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
if err != nil {
    return nil, err
}

return &res.Returnval, nil

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*/

package license

import (
    "context"
    "strconv"
    "strings"
    
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
)

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}
func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This: m.Reference(),
        LicenseKey: key,
        Labels: mapToKeySlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return &am, nil
}
type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)

    f := strings.Split(feature, ":")
    lf.name = f[0]

    if len(f) > 1 {
        var err error
        lf.level, err = strconv.Atoi(f[1])
        if err != nil {
            lf.name = feature
        }
    }

    return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)

    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }
        lf := parseLicenseFeature(kv.Key)

        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }

    return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList

    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }

    return result
}

1.73 objectweb-asm 7.2
1.73.1 Available under license:

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License Mixing
==============

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does not have the announcement clause that collides with GPL.
## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

## OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

## GnuTLS

(May be used for SSL/TLS support) Uses the [LGPL](https://www.gnu.org/licenses/lgpl.html) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

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(May be used for SSL/TLS support) As an OpenSSL fork, it has the same
## libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

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

## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

(May be used for GSS support) GNU GSS is GPL licensed. Note that you may not distribute binary curl packages that uses this if you build curl to also link and use any Original BSD licensed libraries!

## libidn

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships
OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

### 1.75 alpine-baselayout 3.2.0-r8

#### 1.75.1 Available under license:

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1.81 jackson-dataformat-yaml 2.9.10

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1.83 python-meld3 1.0.2-2
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1.84 libyaml 0.2.4-r1

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---------------------------------------------------------------------------
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1.91 gnutls 3.5.18-1ubuntu1.4

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* configure.ac, Makefile.am: The original versions were derived from the 
one's in the XML Catalog Manager project, version 2.2.

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:value-of select="$isc.copyright.breakline"/>
  </xsl:template>

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

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

</xsl:stylesheet>
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* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/ExpressionPlugin.java
* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/FieldDataValueSource.java
* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/DateField.java
* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/ExpressionTermSetQueryScript.java
* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/GeoLongitudeValueSource.java
* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/ExpressionFieldScript.java
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* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/EmptyMemberValueSource.java
* /opt/ws_local/PERMITS_SQL/1075330878_1596109169.33/0/lang-expression-7-6-2-sources-jar/org/elasticsearch/script/expression/DateMethodValueSource.java

*/
1.102 plexus-utils 3.1.0

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1.104 mime4j 0.8.3
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1.108 xorg-x11-fonts 7.5 9.el7

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

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1.111 pam 1.1.8 22.el7

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.
Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
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<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
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1.114 setup 2.8.71 10.el7

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1.115 protobuf-c 1.3.3-r1

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1.116 py3-urllib 1.25.9-r0

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include/GL/wglxext.h :

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
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<H2 CLASS="title"><A NAME="INTRO">Introduction</A></H2>

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1.126 openjdk 8.252.09-r0

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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.

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<td>2001-now</td>
<td>PSF</td>
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1.129 libsepol 2.6-2
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1.130 libassuan 2.4.3-2
1.130.1 Available under license:

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Upstream-Name: libassuan
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Files: *
Makefile.am
src/Makefile.am
src/assuan-buffer.c
src/assuan-error.c
src/assuan-inquire.c
src/assuan-io.c
src/assuan-listen.c
src/assuan-pipe-server.c
src/assuan-socket-connect.c
src/assuan-socket-server.c
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src/assuan-uds.c
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src/context.c
src/funopen.c
src/memrchr.c
src/posix-fd-t.inc.h
src/posix-includes.inc.h
src/posix-sock-nonc.inc.h
src/posix-sys-pth-impl.h
src/posix-types.inc.h
src/putc_unlocked.c
src/server.c
src/setenv.c
src/stpcpy.c
src/system-posix.c
src/system-w32.c
src/system-w32ce.c
src/system.c
src/w32-fd-t.inc.h
src/w32-includes.inc.h
src/w32-sock-nonc.inc.h
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m4/ltversion.m4
m4/lt~obsolete.m4
m4/onceonly.m4
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1.132 xz 5.2.5-r0

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

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set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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Appendix: How to Apply These Terms to Your New Programs

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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.>
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<signature of Ty Coon>, 1 April 1989
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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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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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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
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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.

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facilities. This must be distributed under the terms of the
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b) Give prominent notice with the combined library of the fact
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1.137 sprig 2.20.0

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1.138 grep 3.1 2build1

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1.140 util-linux 2.35.2-r2
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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
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modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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

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

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

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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Zstd-jni: JNI bindings to Zstd Library

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1.150 asm 7.1

1.151 sensible-utils 0.0.12
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1.152 py3-appdirs 1.4.4-r1
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1.153 open-ldap 2.4.45+dfsg-1ubuntu1.6
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1.154 slf4j-log4j 1.7.25

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1.155 dracut 033 564.el7

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-------

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Contributors
------------

- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

A. HISTORY OF THE SOFTWARE
==============================

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

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

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

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

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2.6   2.5  2008  PSF  yes
2.6.1  2.6  2008  PSF  yes
2.6.2  2.6.1  2009  PSF  yes
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2.6.4  2.6.3  2009  PSF  yes
2.6.5  2.6.4  2010  PSF  yes
2.7   2.6  2010  PSF  yes

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

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package engine

import (  
    "bytes"  
    "encoding/json"  
    "strings"  
    "testing"  
    "time"

    "github.com/docker/cli/cli/command/formatter"  
    "github.com/docker/cli/internal/licenseutils"  
    "github.com/docker/licensing/model"  
    "gotest.tools/v3/assert"  
    is "gotest.tools/v3/assert/cmp"
)

func TestSubscriptionContextWrite(t *testing.T) {
    cases := []struct {
        context  formatter.Context
        expected string
    }{
        // Errors
    }
formatter.Context{Format: "{{InvalidFunction}}"},
`Template parsing error: template: :1: function "InvalidFunction" not defined`
`,
`Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command`
`,
// Table format
{
formatter.Context{Format: NewSubscriptionsFormat("table", false)},
`NUM        OWNER              PRODUCT ID          EXPIRES                         PRICING COMPONENTS`
1           owner1             productid1          2020-01-01 10:00:00 +0000 UTC   compstring
2           owner2             productid2          2020-01-01 10:00:00 +0000 UTC   compstring
`,
`
formatter.Context{Format: NewSubscriptionsFormat("table", true)},
`1:License Name: name1
Quantity: 10 nodes
Expiration date: 2020-01-01
2:License Name: name2
Quantity: 20 nodes
Expiration date: 2020-01-01`
`,
`
formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},
`OWNER`
owner1
owner2`
`,
`
formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
`OWNER`
owner1
owner2`
`,
// Raw Format
{
`license: id1
name: name1
owner: owner1
components: compstring`
`:license: id2
name: name2
owner: owner2`
components: compstring

\`
{
formatter.Context{Format: NewSubscriptionsFormat("raw", true)},
  `license: id1
license: id2
  `,
},
// Custom Format
{
formatter.Context{Format: NewSubscriptionsFormat("{Owner}", false)},
  `owner1
owner2
  `,
},
}

expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
  subscriptions := []licenseutils.LicenseDisplay{
    {
      Num:   1,
      Owner: "owner1",
      Subscription: model.Subscription{
        ID:        "id1",
        Name:      "name1",
        ProductID: "productid1",
        Expires:   &expiration,
        PricingComponents: model.PricingComponents{
          &model.SubscriptionPricingComponent{
            Name:  "nodes",
            Value: 10,
          },
        },
        ComponentsString: "compstring",
      },
    },
    {
      Num:   2,
      Owner: "owner2",
      Subscription: model.Subscription{
        ID:        "id2",
        Name:      "name2",
        ProductID: "productid2",
        Expires:   &expiration,
PricingComponents: model.PricingComponents{
  &model.SubscriptionPricingComponent{
    Name: "nodes",
    Value: 20,
  },
  
},
ComponentsString: "compstring",
out := &bytes.Buffer{
  
} test case.context.Output = out
err := SubscriptionsWrite(test case.context, subscriptions)
if err != nil {
  assert.Error(t, err, test case.expected)
} else {
  assert.Check(t, is.Equal(test case.expected, out.String()))
}
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
  expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
  subscriptions := []licenseutils.LicenseDisplay{
  
  Num: 1,
  Owner: "owner1",
  Subscription: model.Subscription{
    ID: "id1",
    Name: "name1",
    ProductID: "productid1",
    Expires: &expiration,
    PricingComponents: model.PricingComponents{
      &model.SubscriptionPricingComponent{
        Name: "nodes",
        Value: 10,
      },
      
      },
    ComponentsString: "compstring",
    
  },

  
  Num: 2,
  Owner: "owner2",
  Subscription: model.Subscription{
    ID: "id2",
    Name: "name2",
    ProductID: "productid2",

Expires: "expiration",
PricingComponents: model.PricingComponents{
  &model.SubscriptionPricingComponent{
    Name: "nodes",
    Value: 20,
  },
  },
ComponentsString: "compstring",
}
}
expectedJSONs := []map[string]interface{}{
{
"Owner": "owner1",
"ComponentsString": "compstring",
"Expires": "2020-01-01T10:00:00Z",
"DockerID": "",
"Eusa": nil,
"ID": "id1",
"Start": nil,
"Name": "name1",
"Num": float64(1),
"PricingComponents": []interface{}{
  map[string]interface{}{
    "name": "nodes",
    "value": float64(10),
  },
},
"ProductID": "productid1",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State": "",
"Summary": "License Name: name1\nQuantity: 10 nodes\nExpiration date: 2020-01-01",
},
{
"Owner": "owner2",
"ComponentsString": "compstring",
"Expires": "2020-01-01T10:00:00Z",
"DockerID": "",
"Eusa": nil,
"ID": "id2",
"Start": nil,
"Name": "name2",
"Num": float64(2),
"PricingComponents": []interface{}{
  map[string]interface{}{
    "name": "nodes",
    "value": float64(20),
"Summary": "License Name: name2
Quantity: 20 nodes
Expiration date: 2020-01-01",
},
]

out := &bytes.Buffer{
err := SubscriptionsWrite(formatter.Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
    var m map[string]interface{}
    if err := json.Unmarshal([]byte(line), &m); err != nil {
t.Fatal(err)
    }
    assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}

func TestSubscriptionContextWriteJSONField(t *testing.T) {
    subscriptions := []licenseutils.LicenseDisplay{
        {Num: 1, Owner: "owner1"},
        {Num: 2, Owner: "owner2"},
    }
    out := &bytes.Buffer{
    if err != nil {
t.Fatal(err)
    }
    for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
        var s string
        if err := json.Unmarshal([]byte(line), &s); err != nil {
t.Fatal(err)
    }
    assert.Check(t, is.Equal(subscriptions[i].Owner, s))
    }

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package licensing

import (  "context"  "crypto/hmac"  "crypto/sha256"  "encoding/base64"  "encoding/json"  "fmt"  "time"

  "github.com/docker/libtrust"  "github.com/docker/licensing/lib/errors"
func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {
    url := c.baseURI
    url.Path += fmt.Sprintf(`/api/billing/v4/subscriptions/%s/license-file`, subID)

    license := new(model.IssuedLicense)
    if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
        return nil, err
    }

    return license, nil
}

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }
}
key := keys[0]

if !c.recognizedSigningKey(key) {
    return nil, errors.New("unrecognized signing key")
}

payload, err := signature.Payload()
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "malformed signature payload")
}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.Wrap(err, "license authorization decode failed")
    }

    return decoded, nil
}

return nil, errors.Wrapf(err, errors.Fields{
    "key_id": license.KeyID,
}, "decoding license authorization failed")
}
return decoded, nil
}

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
tokenBytes, err := base64.URLEncoding.DecodeString(token)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": token})
}
generatedToken, err := generateToken(message, privateKey)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": token})
}
generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": generatedToken})
}
if !hmac.Equal(tokenBytes, generatedBytes) {
    return errors.Forbidden(errors.Fields{"token": token}, "invalid token")
}
return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
    key, err := base64.URLEncoding.DecodeString(privateKey)
    if err != nil {
        return "", errors.Wrap(err, errors.Fields{"msg": message})
    }
    h := hmac.New(sha256.New, key)
    h.Write([]byte(message))
    return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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package engine

import (
    "time"
    "github.com/docker/cli/cli/command/formatter"
    "github.com/docker/cli/internal/licenseutils"
    "github.com/docker/licensing/model"
)

const ( defaultSubscriptionsTableFormat = "table
 {{.Num}}	{{.Owner}}	{{.ProductID}}	{{.Expires}}	{{.ComponentsString}}"
defaultSubscriptionsQuietFormat = "{{.Num}}:{{.Summary}}"
)

numHeader               = "NUM"
ownerHeader             = "OWNER"
licenseNameHeader       = "NAME"
idHeader                = "ID"
dockerIDHeader          = "DOCKER ID"
productIDHeader         = "PRODUCT ID"
productRatePlanHeader  = "PRODUCT RATE PLAN"
productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
startHeader             = "START"
expiresHeader           = "EXPIRES"
stateHeader             = "STATE"
eusaHeader              = "EUSA"
pricingComponentsHeader = "PRICING COMPONENTS"
)

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) formatter.Format {
    switch source {
        case formatter.TableFormatKey:
            if quiet {
                return defaultSubscriptionsQuietFormat
            }
            return defaultSubscriptionsTableFormat
        case formatter.RawFormatKey:
            if quiet {
                return `license: {{.ID}}`
            }
            return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}
`
    }
    return formatter.Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx formatter.Context, subs []licenseutils.LicenseDisplay) error {
    render := func(format func(subContext formatter.SubContext) error) error {
        for _, sub := range subs {
            licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
            if err := format(licenseCtx); err != nil {
                return err
            }
        }
        return nil
    }
    licenseCtx := licenseContext{
        Header: map[string]string{
            "Num":               numHeader,
            "Owner":             ownerHeader,
            "Name":              licenseNameHeader,
            "ID":                idHeader,
            "DockerID":          dockerIDHeader,
            "ProductID":         productIDHeader,
            "ProductRatePlan":   productRatePlanHeader,
            "ProductRatePlanID": productRatePlanIDHeader,
            "Start":             startHeader,
        }
    }
}
"Expires": expiresHeader,
"State": stateHeader,
"Eusa": eusaHeader,
"ComponentsString": pricingComponentsHeader,
}
return ctx.Write(&licenseCtx, render)
}

type licenseContext struct {
    formatter.HeaderContext
    trunc bool
    l      licenseutils.LicenseDisplay
}

func (c *licenseContext) MarshalJSON() ([]byte, error) {
    return formatter.MarshalJSON(c)
}

func (c *licenseContext) Num() int {
    return c.l.Num
}

func (c *licenseContext) Owner() string {
    return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
    return c.l.ComponentsString
}

func (c *licenseContext) Summary() string {
    return c.l.String()
}

func (c *licenseContext) Name() string {
    return c.l.Name
}

func (c *licenseContext) ID() string {
    return c.l.ID
}

func (c *licenseContext) DockerID() string {
    return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
}
func (c *licenseContext) ProductRatePlan() string {
    return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
    return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
    return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
    return c.l.Expires
}

func (c *licenseContext) State() string {
    return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
    return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
    // Dereference the pricing component pointers in the pricing components
    // so it can be rendered properly with the template formatter

    var ret []model.SubscriptionPricingComponent
    for _, spc := range c.l.PricingComponents {
        if spc == nil {
            continue
        }
        ret = append(ret, *spc)
    }
    return ret
}

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import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.

type CheckResponse struct {
  Expiration   time.Time `json:"expiration"
  Token        string    `json:"token"
  MaxEngines   int       `json:"maxEngines"
  ScanningEnabled bool     `json:"scanningEnabled"
  Type         string    `json:"licenseType"
  Tier         string    `json:"tier"
}

// IssuedLicense represents an issued license

type IssuedLicense struct {
  KeyID        string `json:"key_id"
  PrivateKey   string `json:"private_key"
  Authorization string `json:"authorization"
}
// Valid returns true if the License is syntactically valid, false otherwise

func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {
        return false, "empty key_id"
    }
    if l.PrivateKey == "" {
        return false, "empty private_key"
    }
    if l.Authorization == "" {
        return false, "empty authorization"
    }
    return true, ""
}

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1.166 commons-codec 1.10

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Patch for Ubuntu bug #399071
Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
  close(fd);
 }

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != \"\0\")
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                syslog(pamh, LOG_ERR,
+                        "Unable to change UID to %d temporarily\n",
+                        pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+        }
+        if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+            goto finished;
+        if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+            goto finished;
+    }
+    if (stat(flag, &s) != 0)
+    {
+        display_file(pamh, "/etc/legal");
+        mkdir(dir, 0700);
+        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+        if (f>=0) close(f);
+    }
+
+    finished:
+    if (pam_modutil_regain_priv(pamh, &privs)) {
+        pam_syslog(pamh, LOG_ERR,
+                "Unable to change UID back to %d\n", privs.old_uid);
+        retval = PAM_SESSION_ERR;
+    }
+
+    _pam_drop(flag);
+    _pam_drop(dir);
+    }
+    return retval;
+
+PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+    /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;
+
1.168 javax-inject 1
1.168.1 Available under license :
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1.169 python-requests 2.18.4 2ubuntu0.1

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1.170 pflag 3.2.17+dfsg-1

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1.172 base-passwd 3.5.43

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1dc9e472e19acfe6dc7f41e429236e7ee7ceda1-libc-netbsd-resolv/res_debug.c

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* Theo de Raadt <deraadt@openbsd.org> came up with the idea of using
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* ids to solve the resolver/named problem. But Niels designed the
* actual system based on the constraints.
*
* Later modified by Damien Miller to wrap the LCG output in a 15-bit
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* /opt/ws_local/PERMITS_SQL/1049871717_1591824386.65/0/bionic-1dc9e472e19cfe66dc7f41e429236e7ee7ceda1-libc-netbsd-resolv-resolv-zip/bionic-1dc9e472e19cfe66dc7f41e429236e7ee7ceda1-libc-netbsd-resolv/res_send.c
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* /opt/ws_local/PERMITS_SQL/1049871717_1591824386.65/0/bionic-1dc9e472e19acfe6dc7f41e429236e7ee7ceda1-libc-netbsd-resolv-resolv.zip/bionic-1dc9e472e19acfe6dc7f41e429236e7ee7ceda1-libc-netbsd-resolv/res_mkquery.c

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1.179 lz4-java 1.7.1

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1.187 x-time-rate 3.2.17+dfsg-1

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1.188 jline-terminal-jna 3.14.1

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1.189 nghttp2 1.39.2-r0

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1.190 **saaj 1.3.5**

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Sources

1.191 sudo 1.8.21p2-3ubuntu1.2
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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete—if you believe you should be listed, please send a note to sudo@sudo.ws.

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Adler, Mark
Allbery, Russ
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
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Jackson, Brian
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The following people have worked to translate sudo into other languages:

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became
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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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contextlib2 is a derivative of the contextlib module distributed by the PSF
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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 that included the contextlib module.

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<td>GL/glxext.h</td>
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<tr>
<td></td>
<td>KHR/khrplatform.h</td>
<td>Khronos</td>
</tr>
</tbody>
</table>
Mesa 3-D graphics library

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*****************************************************************************

----
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""

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1.204 ow2-orchestra-eclipse-equinox-app

1.3.100

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 *******************************************************************************/
package org.eclipse.text.edits;
import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

/**
 * A <code>CopyingRangeMarker</code> can be used to track positions when executing
 * text edits. Additionally a copying range marker stores a local copy of the
 * text it captures when it gets executed.
 *
 * @since 3.0
 */
public final class CopyingRangeMarker extends TextEdit {

    private String fText;

    /**
     * Creates a new <tt>CopyRangeMarker</tt> for the given
     * offset and length.
     *
     * @param offset the marker's offset
     * @param length the marker's length
     */
    public CopyingRangeMarker(int offset, int length) {
        super(offset, length);
    }

    /*
* Copy constructor
*/
private CopyingRangeMarker(CopyingRangeMarker other) {
    super(other);
    fText= other.fText;
}

/* non Java-doc
 * @see TextEdit#doCopy
 */
protected TextEdit doCopy() {
    return new CopyingRangeMarker(this);
}

/* @see TextEdit#accept0
 */
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc
 * @see TextEdit#performDocumentUpdating
 */
/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
    fText= document.get(getOffset(), getLength());
    fDelta= 0;
    return fDelta;
}

/* non Java-doc
 * @see TextEdit#deleteChildren
 */
/* package */ boolean deleteChildren() {
    return false;
}

<?xml version="1.0" encoding="ISO-8859-1" ?>
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1.209 json-c 0.12.1-1.3ubuntu0.3

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1.210 py3-setuptools 47.0.0-r0

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1.211 lz4-java 1.6.0

1.212 drop-wizard-metrics 1.3.23

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1.213 busybox 1.27.2

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1.225 libx11 1.6.4-3ubuntu0.2

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

------

OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

-----

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----

MortBay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

-----
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* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZOutputStream.java
* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPHeader.java
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* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZStream.java
* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Inflate.java
* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Adler32.java
* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Deflate.java

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* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZStreamException.java
* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfTree.java
* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfCodes.java
* /opt/ws_local/PERMITS_SQL/1018364260_1591903087.49/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfTree.java
1.235 pcre 8.39 3

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Email local part: hzmester
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1.236 jersey-media-json-jackson 2.28

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Java compilation software for JSP pages is provided by the Eclipse
JDT Core Batch Compiler component, which is open source software.
The original software and related information is available at
https://www.eclipse.org/jdt/core/.

org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
for JSON written by Robert Fischer.
https://github.com/RobertFischer/json-parser

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages
are derivative work originating from the Netty project and the finagle-native
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For portions of the Tomcat cloud support
The org.apache.catalina.tribes.membership.cloud package contains derivative
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The original XML Schemas for Java EE Deployment Descriptors:
- javae_5.xsd
- javae_web_services_1_2.xsd
- javae_web_services_client_1_2.xsd
- javae_6.xsd
- javae_web_services_1_3.xsd
- javae_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
- javae_7.xsd
- javae_web_services_1_4.xsd
- javae_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javae_5.xsd
- javae_web_services_1_2.xsd
- javae_web_services_client_1_2.xsd
- javae_6.xsd
- javae_web_services_1_3.xsd
- javae_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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- javae_web_services_1_4.xsd
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1.240 init-system-helpers 1.48

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1.243 busybox 1.31.1-r9

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1.245 gophercloud 0.5.0
1.245.1 Available under license :

Step 5: Writing the Code

At this point, you should have:

- [x] Identified a feature or bug fix
Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a _very_ rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests
----------------------

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:
You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request
---------------------------------

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.
### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests
----------------------------------

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```
```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of
merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).

Step 6: Code Review

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
b. Code Formatting checks

c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `wip` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `gofmt` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).

Request a Code Review

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

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.
During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used).

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

Submitting Changes
-------------------

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal
-------------------

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).

/**
Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/
package RESOURCE
Step 4: Acceptance Testing
================================

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

package testing

import (
    "testing"
    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    "github.com/gophercloud/gophercloud/pagination"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
)

func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        return true, nil
    })
func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleCreateResourceSuccessfully(t)

    createOpts := resources.CreateOpts{
        Name: "resource two",
    }

    actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
    th.AssertNoErr(t, err)
}

func TestDeleteResource(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleDeleteResourceSuccessfully(t)

res := resources.Delete(client.ServiceClient(), "9fe1d3")
th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
defer th.TeardownHTTP()
HandleUpdateResourceSuccessfully(t)

    updateOpts := resources.UpdateOpts{
        Description: "Staging Resource",
    }

    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
th.AssertNoErr(t, err)
th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

---

Step 1: Read Our Guides
========================

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING]/.github/CONTRIBUTING.md: The Contributing guide is a detailed
document which describes the different ways you can contribute to Gophercloud
and how to get started. This tutorial you're reading is very similar to that
guide, but presented in a different way. We still recommend you read it over.

* [STYLE]/.docs/STYLEGUIDE.md: The Style Guide documents coding conventions used
in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

Contributor Tutorial
=====================

This tutorial is to help new contributors become familiar with the processes
used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful
that everyone is new to this in the beginning. Please reach out for help or ask
for clarification if needed. No question is ever "dumb" or not worth our time
answering.
To begin, go to [Step 1](step-01-introduction.md).

Step 7: Congratulations!

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

Step 2: Create an Issue

Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is to start a discussion about whether or not the feature should be included in Gophercloud. We don't want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing
response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.
### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service’s Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

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package testing

import (
    "fmt"
    "net/http"
    "testing"

    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
)
// ListResult provides a single page of RESOURCE results.
const ListResult = `
{
}
`

// GetResult provides a Get result.
const GetResult = `
{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest = `
{
}
`

// UpdateRequest provides the input to a Update request.
const UpdateRequest = `
{
}
`

// UpdateResult provides an update result.
const UpdateResult = `
{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
    })
}
// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "POST")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, CreateRequest)
        w.WriteHeader(http.StatusCreated)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "DELETE")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.WriteHeader(http.StatusNoContent)
    })
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handlermux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "PATCH")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
th.TestJSONRequest(t, r, UpdateRequest)
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, UpdateResult)
})

Step 3: Code Hunting

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621). In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package. Meaning, we want to change:

```go
type Network struct {
    ID       string `json:"id"`
    Name     string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status   string `json:"status"`
    Subnets  []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared   bool  `json:"shared"`
}
```

to look like

```go
type Network struct {
    ID           string `json:"id"`
    Name         string `json:"name"`
    AdminStateUp bool     `json:"admin_state_up"`
    Status       string   `json:"status"`
    Subnets      []string `json:"subnets"`
    TenantID     string   `json:"tenant_id"`
    Shared       bool     `json:"shared"`
}
```
AvailabilityZoneHints []string `json:"availability_zone_hints"
}...

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying that the API docs aren't useful or that the contributors who work on the API docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605
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Code Hunting Tips

OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

```go
package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
    ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
    q, err := gophercloud.BuildQueryString(opts)
    return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
    url := listURL(client)
    if opts != nil {
        query, err := opts.ToResourceListQuery()
        if err != nil {
            return pagination.Pager{
                Next: nil,
            }
        }
        url = url.appendQuery(query)
    }
    return pagination.Pager{
        Next: func() pagination.Page {
            // Handle pagination logic here.
            return & pagination.Page{
                // pagination properties
            }
        }()
    }
}
```
if err != nil {
    return pagination.Pager{Err: err}
}
url += query
    return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
})

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
    _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
    return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
    ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
    b, err := opts.ToResourceCreateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{201},
    })
    return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    _, r.Err = client.Delete(deleteURL(client, id), nil)
    return
}
// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {

    // ToUpdateCreateMap formats a UpdateOpts into an update request.
    func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
        return gophercloud.BuildRequestBody(opts, "resource")
    }

    // Update modifies the attributes of a RESOURCE.
    func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
        b, err := opts.ToResourceUpdateMap()
        if err != nil {
            r.Err = err
            return
        }
        _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
            OkCodes: []int{200},
        })
        return
    }

package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {

    type commonResult struct {
        gophercloud.Result
    }

    // GetResult is the response from a Get operation. Call its Extract method
    // to interpret it as a RESOURCE.
    type GetResult struct {
        commonResult
    }
// CreateResult is the response from a Create operation. Call its Extract method // to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to // determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to // interpret it as a RESOURCE.
type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}

// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"`
            Previous string `json:"previous"`
        } `json:"links"
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of // results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"
    }
    err := (r.(ResourcePage)).ExtractInto(&s)
    return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
    var s struct {
        Resource *Resource `json:"resource"
    }
    err := r.ExtractInto(&s)
    return s.Resource, err
}

package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource”, id)
}

func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource”, id)
}

1.246 openssl 1.1.1-1ubuntu2.1~18.04.5

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1.252 openssl 1.0.2k 19.el7

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jar/javassist/bytecode/ClassFileWriter.java
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jar/javassist/SerialVersionUID.java
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  jar/javassist/bytecode/annotation/BooleanMemberValue.java
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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
  jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
  jar/javassist/bytecode/annotation/AnnotationMemberValue.java
1.261 metrics-annotation 4.0.5

1.262 javax-annotation-api 1.3.fr

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1.263 systemd 237 3ubuntu10.11

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Version 3, 29 June 2007

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

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

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

It should serve as a pretty good example of how to get carried away. :-)
From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

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

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?
The lyf so short, the craft so long to lerne." - Chaucer

The file ifs-posix.tests is Copyright (C) 2005 Glen Fowler.

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

That's great!

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

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1.269 jansson 2.11-r0

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1.272 systemd 237-3ubuntu10.38

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1.273 jetty-http 9.2.24.v20180105

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1.275 metrics-health-checks 4.0.5

1.276 go-runtime 1.12.9

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DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

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

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

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

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

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG
processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

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

It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has
been removed altogether, and the GIF writer has been simplified to produce
"uncompressed GIFs". This technique does not use the LZW algorithm; the
resulting GIF files are larger than usual, but are readable by all standard
GIF decoders.
We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of
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REFERENCES
=========

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

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

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


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7%
The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department  
C-Cube Microsystems, Inc.  
1778 McCarthy Blvd.  
Milpitas, CA 95035  
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at
 ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

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

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.
Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edugraphics/graphics/packages/NetPBM/.

Unfortunately PBMPPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

**TO DO**

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.
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1.283 bzip2 1.0.8-r1

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1.285 readline 7.0 3

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1.295 nginx 1.17.10-r1

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1.297 iputils 20160308 10.el7

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1.298 procps 3.3.12-3ubuntu1.1

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

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1.301 curl 7.29.0-54.el7_7.2

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1.307 debianutils 4.8.4

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* /opt/ws_local/PERMITS_SQL/1062752948_1592843849.55/0/jline-reader-3-14-1-sources-jar/org/jline/reader/impl/completer/FileNameCompleter.java
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jar/org/jline/reader/impl/completer/DefaultExpander.java
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jar/org/jline/reader/Expander.java
* /opt/ws_local/PERMITS_SQL/1062752948_1592843849.55/0/jline-reader-3-14-1-sources-
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jar/org/jline/reader/Parser.java
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>, public domain.

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1.325 gocassa 1.2.0

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Thanks to the following for their help and contributions:

Janos Dobronszki @crufter.dobronszki@gmail.com
Oliver Beattie @obeattie oliver@obeattie.com

1.326 jersey-bean-validation 2.25.1

1.327 rootfiles 8.1 11.el7

1.327.1 Available under license:

Summary: The basic required files for the root user's directory
Name: rootfiles
Version: 8.1
Release: 11%{?dist}
License: Public Domain
Group: System Environment/Base

# This is a Red Hat maintained package which is specific to
# our distribution. Thus the source is only available from
# within this srpm.
Source0: dot-bashrc
Source1: dot-bash_profile
Source2: dot-bash_logout
Source3: dot-tcshrc
Source4: dot-cshrc

Buildroot: %{_tmppath}/%{name}-%{version}-%{release}-root-%{__id_u} -n
BuildArch: noarch

%description
The rootfiles package contains basic required files that are placed in the root user's account. These files are basically the same as those in /etc/skel, which are placed in regular users' home directories.

%prep

%install
rm -rf $RPM_BUILD_ROOT
mkdir -p $RPM_BUILD_ROOT/root

for file in %{SOURCE0} %{SOURCE1} %{SOURCE2} %{SOURCE3} %{SOURCE4} ; do
f=`basename $file`
install -p -m 644 $file $RPM_BUILD_ROOT/root/${f/dot-/.}
done

%clean
rm -rf $RPM_BUILD_ROOT

%files
%defattr(-,root,root,-)
%config(noreplace) /root/.[A-Za-z]*

%changelog
* Fri Dec 27 2013 Daniel Mach <dmach@redhat.com> - 8.1-11
- Mass rebuild 2013-12-27

* Thu Feb 14 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-10
- Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Sat Jul 21 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-9
- Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Sat Jan 14 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-8
- Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild

* Wed Feb 09 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-7
* Sun Jul 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-6
  Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Mon Mar 30 2009 Ondrej Vasik <ovasik@redhat.com> - 8.1-5
  - removed clear from dot-bash_logout (synchronized with bash, related to #429406)
  - removed unset USERNAME from dot-bash_profile (synchronized with bash, related to #196735)

* Mon Mar 23 2009 Phil Knirsch <spknirsch@redhat.com> - 8.1-4
  - Added the "we-are-upstream" comments according to Fedora review (#226376)
  - Added -p option to install to preserve timestamps (#226376)

* Wed Feb 25 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-3
  Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Fri Oct 31 2008 Ondrej Vasik <ovasik@redhat.com> - 8.1-2
  - Add dist tag, fix a few rpmlint issues, rebuild due to wrong vendor (#451229)
  - Added ncurses requirement(#469390)

* Wed Jul 12 2006 Jesse Keating <jkeating@redhat.com> - 8.1-1.1.1
  - rebuild

* Fri Dec 09 2005 Jesse Keating <jkeating@redhat.com>
  - rebuilt

* Fri Dec 3 2004 Bill Nottingham <notting@redhat.com> 8.1-1
  - restore tcsh prompt into .tcshrc (#141782)

* Wed Sep 22 2004 Bill Nottingham <notting@redhat.com> 8-1
  - sync files with current /etc/skel stuff
  - remove Xresources (#75666)

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
  - rebuilt

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
  - rebuilt

* Wed Dec 11 2002 Tim Powers <timp@redhat.com> 7.2-5
  - rebuild

* Fri Jun 21 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

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Open Source Used In cnBR 20.3-09142020 3186
* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Thu Jul 5 2001 Preston Brown <pbrown@redhat.com> 7.2-1
  - /sbin stuff out of PATH, moved into /etc/profile

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
  - automatic rebuild

* Tue Jul 11 2000 Preston Brown <pbrown@redhat.com>
  - fix .tcshrc

* Mon Jul 3 2000 Jakub Jelinek <jakub@redhat.com>
  - don't assume ASCII ordering in glob pattern

* Sat Jun 10 2000 Bill Nottingham <notting@redhat.com>
  - rebuild
  - fix some path stuff (#11191)

* Tue Apr 18 2000 Bill Nottingham <notting@redhat.com>
  - mv .Xdefaults -> .Xresources (#10623)

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
  - auto rebuild in the new build environment (release 5)

* Tue Jan 12 1999 Jeff Johnson <jbj@redhat.com>
  - add %%clean (#719)

* Tue Dec 29 1998 Cristian Gafton <gafton@redhat.com>
  - build for 6.0

* Wed Oct 9 1998 Bill Nottingham <notting@redhat.com>
  - remove /root from %%files (it's in filesystem)

* Sun Aug 23 1998 Jeff Johnson <jbj@redhat.com>
  - portability fix for .cshrc (problem #235)
  - change version to be same as release.

* Tue Sep 09 1997 Erik Troan <ewt@redhat.com>
  - made a noarch package

* Thu Mar 20 1997 Erik Troan <ewt@redhat.com>
  - Removed .Xclients and .Xsession from package, added %%pre to back up old .Xclients if necessary.
1.328 error_prone_annotations 2.1.3

1.328.1 Available under license:

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/CheckReturnValue.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/concurrent/GuardedBy.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/DoNotCall.java

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* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/MustBeClosed.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/RestrictedApi.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/CompatibleWith.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/FormatMethod.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/DoNotMock.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/FormatString.java
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* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-jar/com/google/errorprone/annotations/concurrent/LockMethod.java
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  jar/com/google/errorprone/annotations/Immutable.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/SuppressPackageLocation.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/ForOverride.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/Var.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/concurrent/LazyInit.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/IncompatibleModifiers.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/RequiredModifiers.java
* /opt/ws_local/PERMITS_SQL/1001654294_1592507239.29/0/error-prone-annotations-2-1-3-sources-3-
  jar/com/google/errorprone/annotations/CompileTimeConstant.java

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1.331 glibc 2.17 292.el7

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Because of this blurred distinction, using the ordinary General
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commit ef7344f09c5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date: Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes are: update paths in sysdeps/mach/hurd/Implies and sysdeps/unix/sysv/linux/wait3.c; merge the two syscall.list files, with the removal of syscall entries that were in sysdeps/unix/bsd/syscall.list but overridden in the bsd4.4 directory by .c files there.

Tested x86_64. The installed shared libraries are identical before and after the patch except for libc.so where the move of wait3.c (included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscall.list (fchflags): Add entry from sysdeps/unix/bsd/bsd4.4/sysscall.list.
   (fchflags): Likewise.
   (revoke): Likewise.
   (setlogin): Likewise.
   (sigaltstack): Likewise.
   (wait4): Likewise.
   (sigblock): Remove.
   (sigsetmask): Likewise.
   (wait3): Likewise.
   (waitpid): Likewise.
* sysdeps/unix/bsd/syscall.list: Remove file.
* sysdeps/unix/sysv/linux/wait3.c: Update directory of included
* sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/Versions: ... here.
* sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h: Move to ...
* sysdeps/unix/bsd/bits/sockaddr.h: ... here.
* sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigsetmask.c: Move to ...
* sysdeps/unix/bsd/sigsetmask.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigvec.c: Move to ...
* sysdeps/unix/bsd/sigvec.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcdrain.c: Move to ...
* sysdeps/unix/bsd/tcdrain.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcsetattr.c: Move to ...
* sysdeps/unix/bsd/tcsetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait3.c: Move to ...
* sysdeps/unix/bsd/wait3.c: ... here.
* sysdeps/unix/bsd/bsd4.4/waitpid.c: Move to ...
* sysdeps/unix/bsd/waitpid.c: ... here.

```
diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234c1fd1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.
gnu
# The Hurd provides a rough superset of the functionality of 4.4 BSD.

-unix/bsd/bsd4.4
+unix/bsd

diff --git a/sysdeps/unix/bsd/bsd4.4/Makefile b/sysdeps/unix/bsd/Makefile
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Makefile
rename to sysdeps/unix/bsd/Makefile
diff --git a/sysdeps/unix/bsd/bsd4.4/Versions b/sysdeps/unix/bsd/Versions
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Versions
rename to sysdeps/unix/bsd/Versions
diff --git a/sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h b/sysdeps/unix/bsd/bits/sockaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4<bits/sockaddr.h
rename to sysdeps/unix/bsd/bits/sockaddr.h
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
-# File nameCallerSyscall name# argsStrong nameWeak names
-
-chflags-chflags2chflags
-tchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-signalstack-—signalstack2__signalstacksignalstack
-wait4-wait4wait4wait4wait4
diff --git a/sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd/cmsg_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c
rename to sysdeps/unix/bsd/cmsg_nxthdr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c
diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
index e84819dc1f19d148..9f48a144d475f342 100644
--- a/sysdeps/unix/bsd/syscalls.list
+++ b/sysdeps/unix/bsd/syscalls.list
@@ -1,14 +1,16 @@
# File nameCallerSyscall name# argsStrong nameWeak names
+
+chflags-chflags2chflags
+fchflags-fchflags2fchflags
-flock-flock2__flockflock
-getdents-getdirentries4__getdirentriesgetdirentries
-getdtsz-gettablesize0__gettablesizegettablesize
-getpagesize-getpagesize0__getpagesizegetpagesize
-killpg-killpg2killpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
1.332 thrift 0.9.2

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Version 2.1, February 1999

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*                                                                      *
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1.335 libsm 1.2.2 2.el7

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1.336 cracklib 2.9.0-11.el7

1.336.1 Available under license :

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

--------

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
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

-- Nathan

-----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

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> -mike

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.

-- Nathan

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

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> 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
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change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th-
eir applications are also GPL-2 which imo is just wrong. it isn't the place of =
a=20
library to dictate to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.

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

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
>
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> > directly
> > and see if he wants to relicense his code as LGPL... but at this
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applications are also GPL-2 which imo is just wrong. it isn't the
place of a
library to dictate 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
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> > > decision as to what licensing scheme y'all want. I haven't really done
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> I am sympathetic. Guys, what do you reckon?
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> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....
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> 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.
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> 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...
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.
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner <jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

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

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. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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

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
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

-- Nathan

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-Dmike

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> library to dictate 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 Fry sing er <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
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 191Gxtrp020623
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=flopped
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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^L

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

c) Accompany the work with a written offer, valid for at
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d) If distribution of the work is made by offering access to copy
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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1.337 jackson 1.9.13

1.337.1 Available under license:
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1.338 golang-protobuf-extensions 1.4.2

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1.339 pyasn1 0.4.2-3

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ASN.1 library for Python
========================

.. toctree::
  :maxdepth: 1

Abstract Syntax Notation One (ASN.1)
<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x> is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.python.org/pypi/pyasn1/>`_ library implements ASN.1 support in pure-Python.

What is ASN.1
-------------

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in
the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions https://news.ycombinator.com/item?id=8871453 on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_ or `FlatBuffers <https://google.github.io/flatbuffers/>`_. for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas
-------------

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the statistics `<http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation
-------------

.. toctree::
   :maxdepth: 2

   /pyasn1/contents

Use case
--------

.. toctree::
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   /example-use-case

Download & Install
------------------

.. toctree::
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   /download

Changes
-------

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

.. toctree::
License
-------

The PyASN1 software is distributed under 2-clause BSD License.

Getting help
-------------


Books on ASN.1
---------------

The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson

Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.
ASN.1 library for Python

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

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on [ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features
--------

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.6
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

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

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
[Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html)
The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1
-----------------

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
    id        INTEGER,
    room  [0] INTEGER OPTIONAL,
    house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            ),
        ),
        DefaultedNamedType(
            'house', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            ),
        ),
    )
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321

```python
Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.
```
```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```
Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.
```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
```
>>> for field in received_record:
>>>    print('{} is {}'.format(field, received_record[field]))

id is 123
room is 321
house is 0

>>> record == received_record
True
```python
The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour.
To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:
```
```python
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```
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=======

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1.340 bcel 2.7.2

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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javae_7.xsd
- javae_web_services_1_4.xsd
- javae_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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1.343 debianutils 4.8.1.1

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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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Otherwise, if the work is a derivative of the Library, you may
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Gocheck - A rich testing framework for Go

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1.368 dropwizard-util 1.3.24

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zlib http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

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1.373 json-c 0.13.1-r1

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1.374 httpcomponents-client 4.5.5

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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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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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**OW2**

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

------

**Apache**

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

**MortBay**

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.382 libressl 2.5.4 r0
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1.383 jakarta xml bind api 2.3.2

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1.384 eclipse-equinox-preferences 3.4.1
1.385 util-linux 2.23.2-61.el7

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* /opt/ws_local/PERMITS_SQL/1075332029_1596109185.92/0/ingest-user-agent-7-6-2-sources-
  jar/org/elasticsearch/ingest/useragent/IngestUserAgentPlugin.java
* /opt/ws_local/PERMITS_SQL/1075332029_1596109185.92/0/ingest-user-agent-7-6-2-sources-
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* /opt/ws_local/PERMITS_SQL/1075332029_1596109185.92/0/ingest-user-agent-7-6-2-sources-
  jar/org/elasticsearch/ingest/useragent/UserAgentCache.java
* /opt/ws_local/PERMITS_SQL/1075332029_1596109185.92/0/ingest-user-agent-7-6-2-sources-
  jar/org/elasticsearch/ingest/useragent/UserAgentProcessor.java

1.391 python-certifi 2018.1.18 2
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c-a-bundle.crt -- Bundle of CA Root Certificates

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(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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1.392 eclipse-core-runtime 3.7.0

1.393 amqp-client 5.7.2

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1.394 base-passwd 3.5.44

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1.404 commons-lang3 3.5

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1.406 apt 1.4.10

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Index: tdbufa/tdb.c
===================================================================
--- tdbufa.orig/tdb.c
+++ tdbufa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
 - Unix SMB/CIFS implementation.
 + trivial database library - standalone version

 - trivial database library - private includes
 -
 - Copyright (C) Andrew Tridgell 2005
 + Copyright (C) Andrew Tridgell 1999-2005
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 Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007
It is part of the main e2fsprogs distribution, which can be found at:

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

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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

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

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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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

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

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On Debian GNU systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'. This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Theodore Ts'o
23-June-2007

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1.408 python 3.6.9-1~18.04ubuntu1
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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, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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All Python releases are Open Source (see http://www.opensource.org for
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1.409 dropwizard-metrics-graphite 1.3.24

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1.411 python-setuptools 39.0.1 2

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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/stream/ChunkedInput.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/timeout/ReadException.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/logging/LoggingHandler.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
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  jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/PemValue.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/PemEncoded.java
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  jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
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1.419 python-colorama 0.3.7-1
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1.420 bctls-jdk15on 1.62

1.421 javassist 3.24.1-GA

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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/compiler/ast/Keyword.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/compiler/ast/NewExpr.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/ast/Classtype.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/stackmap/MapMaker.java
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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/FieldInfo.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/CtArray.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/compiler/ast/MethodDecl.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/runtime/Cflow.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/CtMember.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/CannotCompileException.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/ClassClassPath.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/compiler/KeywordTable.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/CtBehavior.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/compiler/Javac.java
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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/StackMapTable.java
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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/CodeIterator.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/compiler/
/opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1.jar/javassist/convert/TransformAccessArrayField.java

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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1.jar/javassist/bytecode/stackmap/TypedBlock.java

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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1.jar/javassist/bytecode/analysis/IntQueue.java

* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1.jar/javassist/bytecode/NestHostAttribute.java

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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1.jar/javassist/runtime/Desc.java

* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1.jar/javassist/compiler/ast/InstanceOfExpr.java

* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1.jar/javassist/convert/Transformer.java

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* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/Annotation.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/MemberValue.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/ws_local/PERMITS_SQL/1051803197_1591912853.94/0/javassist-3-24-1-ga-sources-1-jar/javassist/bytecode/annotation/ByteMemberValue.java

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1.422 lvm2 1.02.158 2.el7_7.2
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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io.netty/channel/pool/AbstractChannelPoolHandler.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its [ @link ChannelPipeline].
* *
* <h3>Sub-types</h3>
* <p>
* [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
subtypes:
* <ul>
* <li>{@link ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
* </p>
*
* <h3>State management</h3>
* 
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     <b>private boolean loggedIn;</b>
* 
*     [ @code @Override ]
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else if (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             }
*         }
*     }
* }
* </pre>
Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

```java
// Create a new handler instance per channel.
// See {@link ChannelInitializer#initChannel(Channel)}.
public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {
    {@code @Override}
    public void initChannel({@link Channel} channel) {
        channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
    }
}
```

<h4>Using {@link AttributeKey}s</h4>

Although it's recommended to use member variables to store the state of a
handler, for some reason you might not want to create many handler instances.
In such a case, you can use {@link AttributeKey}s which is provided by
`{@link ChannelHandlerContext}`:

```java
public interface Message {
    // your methods here
}

{@code @Sharable}
public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {
    private final {@link AttributeKey}<{@link Boolean}> auth =
        {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");

    {@code @Override}
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
        {@link Attribute}<{@link Boolean}> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            <b>attr.set(true)</b>;
        } else (message instanceof GetDataMessage) {
            if (<b>Boolean.TRUE.equals(attr.get())</b>) {
ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
else {
    fail();
}

Now that the state of the handler is attached to the \{@link ChannelHandlerContext\}, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends \{@link ChannelInitializer\}<{@link Channel}> {

    private static final DataServerHandler \<b>SHARED</b> = new DataServerHandler();

    \@Override
    public void initChannel({@link Channel} channel) {
        channel.pipeline().addLast("handler", \<b>SHARED</b>);
    }
}
```

**The \{@code @Sharable\} annotation**

In the example above which used a \{@link AttributeKey\}, you might have noticed the \{@code @Sharable\} annotation.

If a \{@link ChannelHandler\} is annotated with the \{@code @Sharable\} annotation, it means you can create an instance of the handler just once and add it to one or more \{@link ChannelPipeline\}s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like \<a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.

**Additional resources worth reading**

Please refer to the \{@link ChannelHandler\}, and \{@link ChannelPipeline\} to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/ChannelHandlerAdapter.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/ChannelHandlerAdapter.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/ChannelProgressivePromise.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/ChannelProgressivePromise.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/group/ChannelMatcher.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/SimpleChannelInboundHandler.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/DefaultChannelId.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/channel/MessageSizeEstimator.java
*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4.1.45-final-sources-1.jar/io/netty/bootstrap/ChannelFactory.java
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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/oio/OioByteStreamChannel.java

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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/socket/nio/NioChannelOption.java

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  jar/io/netty/channel/ChannelHandlerContext.java
* /opt/ws_local/PERMITS_SQL/1068271564_159438139.69/0/netty-transport-4-1-45-final-sources-1-
  jar/io/netty/channel/EventLoopTaskQueueFactory.java
* /opt/ws_local/PERMITS_SQL/1068271564_159438139.69/0/netty-transport-4-1-45-final-sources-1-
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1.425 generex 1.0.2
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1.427 jackson-jaxrs-base 2.9.10

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1.428 pam 1.1.8 3.6ubuntu2.18.04.1

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

Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
    close(fd);
 }
+
+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
```
struct stat s;
int f;
/* Get the user name to determine if we need to print the disclaimer */
rc = pam_get_item(pamh, PAM_USER, &user);
if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
{
    PAM_MODUTIL_DEF_PRIVS(privs);

    /* Get the password entry */
pwd = pam_modutil_getpwnam (pamh, user);
if (pwd != NULL)
{
    if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
        pam_syslog(pamh, LOG_ERR,

        "Unable to change UID to %d temporarily\n",
        pwd->pw_uid);
        retval = PAM_SESSION_ERR;
        goto finished;
    }

    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
        goto finished;
    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
        goto finished;

    if (stat(flag, &s) != 0)
    {
        display_file(pamh, "/etc/legal");
        mkdir(dir, 0700);
        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
        if (f>=0) close(f);
    }

finished:
    if (pam_modutil_regain_priv(pamh, &privs)) {
        pam_syslog(pamh, LOG_ERR,

        "Unable to change UID back to %d\n", privs.old_uid);
        retval = PAM_SESSION_ERR;
    }

    _pam_drop(flag);
    _pam_drop(dir);
}
return retval;
}
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);
+
    /* Display the legal disclaimer only if necessary */
    retval = display_legal(pamh);
+
    return retval;
}

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.429 jersey-hk2 2.28

1.430 grpc-go 3.2.17+dfsg-1

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1.433 keyutils 1.5.9-9

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1.436 cyrus-sasl 2.1.27~101-g0780600+dfsg-3+deb9u1

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----------------------------------------------------------------
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Open Source Used In cnBR 20.3-08142020 4121
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Open Source Used In cnBR 20.3-09142020 4122
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Open Source Used In cnBR 20.3-09142020 4126
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Open Source Used in cnBR 20.3.09142020 4133
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`./config/archs/BSD-x86_64/asm/crypto/sha/sha512-x86_64.s`,
`./config/archs/BSD-x86_64/asm/crypto/whirlpool/wp-x86_64.s`,
`./config/archs/BSD-x86_64/asm/crypto/x86_64cpuid.s`,
`./config/archs/BSD-x86_64/asm/engines/e_padlock-x86_64.s`,

`openssl_defines_BSD-x86_64`:

`'NDEBUG'`,
`'L_ENDIAN'`,
`'OPENSSL_PIC'`,
`'OPENSSL_CPUID_OBJ'`,
`'OPENSSL_IA32_SSE2'`,
`'OPENSSL_BN_ASM_MONT'`,
`'OPENSSL_BN_ASM_MONT5'`,
`'OPENSSL_BN_ASM_GF2m'`,
`'SHA1_ASM'`,
`'SHA256_ASM'`,
`'SHA512_ASM'`,
`'KECCAK1600_ASM'`,
`'RC4_ASM'`,
`'MD5_ASM'`,
`'AESNI_ASM'`,
`'VPAES_ASM'`,
`'GHASH_ASM'`,
`'ECP_NISTZ256_ASM'`,
`'X25519_ASM'`,

---

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'POLY1305_ASM',
],
'openssl_cflags_BSD-x86_64': [
'-Wa,--noexecstack',
'-Wall -O3',
'-pthread',
'-Wall -O3',
],
'openssl_ex_libs_BSD-x86_64': [
'-pthread',
],
'include_dirs': [
'.',
'./include',
'./crypto',
'./crypto/include/internal',
],
'defines': ['<@(openssl_defines_BSD-x86_64)]',
'cflags': ['<@(openssl_cflags_BSD-x86_64)]',
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)]',
'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)]',
}
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- Strongtalk assembler, the basis of the files assembler-arm-inl.h,
assembler-arm.cc, assembler-arm.h, assembler-ia32-inl.h, assembler-ia32.cc, assembler-ia32.h, assembler-x64-inl.h, assembler-x64.cc, assembler-x64.h, assembler-mips-inl.h, assembler-mips.cc, assembler-mips.h, assembler.cc and assembler.h. This code is copyrighted by Sun Microsystems Inc. and released under a 3-clause BSD license.

- Valgrind client API header, located at src/third_party/valgrind/valgrind.h
  This is released under the BSD license.

- The Wasm C/C++ API headers, located at third_party/wasm-api/wasm.{h, hh}
  This is released under the Apache license. The API's upstream prototype implementation also formed the basis of V8's implementation in src/wasm/c-api.cc.

These libraries have their own licenses; we recommend you read them, as their terms may differ from the terms below.

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Tests included here are based on build output generated by the six-speed benchmark suite.

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# spdx-license-ids

A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/getting-started/what-is-npm):

```shell
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### `require('spdx-license-ids')`

Type: `Array<string>`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', 'AFL-1.2', ...]
ids.includes('BSD-3-Clause'); //= true
ids.includes('CC-BY-1.0'); //= true
ids.includes('GPL-3.0'); //= false
```

### `require('spdx-license-ids/deprecated')`

Type: `Array<string>`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...]
deprecatedIds.includes('BSD-3-Clause'); //= false
deprecatedIds.includes('CC-BY-1.0'); //= false
deprecatedIds.includes('GPL-3.0'); //= true
```

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'openssl/apps/ts.c',
'openssl/apps/verify.c',
'openssl/apps/version.c',
'openssl/apps/x509.c',
'openssl/apps/app_rand.c',
'openssl/apps/apps.c',
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      'openssl/ssl/record/dtls1_bitmap.c',
      'openssl/ssl/record/rec_layer_d1.c',
      'openssl/ssl/record/rec_layer_s3.c',
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'openssl/crypto/seed/seed_ecb.c',
'openssl/crypto/seed/seed_ofb.c',
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'OPENSSL_BN_ASM_GF2m',
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'RC4_ASM',
'MD5_ASM',
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'VPAES_ASM',
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'ECP_NISTZ256_ASM',
'X25519_ASM',
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'include_dirs': [
'.',
'.include',
'.crypto',
'.crypto/include/internal',
].
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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS

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

University of Cambridge Computing Service,

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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```
assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

```javascript
assert.deepEqual(valid('Apache 2.0'),
{
validForOldPackages: false,
validForNewPackages: false,
warnings: [
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"',
  'license is similar to the valid expression "Apache-2.0"'
}
}
);
```

SPDX expressions are valid, too ...

```javascript

```

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(valid('(GPL-3.0-only OR BSD-2-Clause)'), validSPDXExpression);
```

... except if they contain `LicenseRef`:

```javascript

```

```javascript
var warningAboutLicenseRef = {
validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"',
]
```
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(valid('SEE LICENSE IN LICENSE.txt'),
{
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'LICENSE.txt'
});

assert.deepEqual(valid('SEE LICENSE IN license.md'),
{
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'license.md'
});
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
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A. HISTORY OF THE SOFTWARE
==========================

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

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.
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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation

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# make compiler warnings fatal
AFSDEV_AUXCDEFINES = $(AFSDEV_AUXCDEFINES) -WX

# include the primary makefile
RELDIR=WINNT\license\lang
!INCLUDE ..\..\..\config\NTMakefile.$(SYS_NAME)
!INCLUDE ..\..\..\config\NTMakefile.version

############################################################################
install :
  @(DESTDIR)\bin\sgml2rtf -1252 en_US.ide
  @(DESTDIR)\bin\sgml2rtf -932 ja_JP.ide
  @(DESTDIR)\bin\sgml2rtf -949 ko_KR.ide
  @(DESTDIR)\bin\sgml2rtf -936 zh_CN.ide
  @(DESTDIR)\bin\sgml2rtf -950 zh_TW.ide
  @(DESTDIR)\bin\sgml2rtf -1252 pt_BR.ide
  @(DESTDIR)\bin\sgml2rtf -1252 es_ES.ide
  @(DESTDIR)\bin\sgml2rtf -1252 de_DE.ide

clean ::
$(DEL) *.rtf

mkdir:
# File: psf-1.2.10-11.11
#
# Purpose: OpenAFS Product Specification File (PSF) for swpackage
#
# Copyright: Copyright (c) 2003 International Business Machines Corporation and others. All Rights Reserved.
#
# Header: $Header$
#
# Description: This PSF contains a valid product definition which includes
# all attributes for OpenAFS installation via software Distributor
# This psf is to be used on openafs compiled as 32bit binaries.
#
# Not all control scripts are required for installation of a product/fileset
#
# Below is the list of control scripts that can be used on either
# Products or filesets
# Control script definition(s):
#
# Control scripts are optional. If defined, then specify the
# path to the script file.
#
# NOTE: control scripts can be defined for products too.

#checkinstall path       # Install check script
#preinstall   path       # Install pre-load script
#postinstall  path       # Install post-load script
#configure    path       # Configure for use script
#unconfigure  path       # Configure undo script
#verify       path       # Verify integrity script
#checkremove  path       # Remove check script
#preremove    path       # Remove pre-remove script
#postremove   path       # Remove post-remove script
#control_file path       # Addition (sub)script or control data

vendor

tag       "OpenSource"# The identifier for the vendor.
title     "OpenSource Software"# The name of the vendor.
# uuid      ""# The NetLs UUID for the vendor.
description  < data/vendor.description # A multi-line description of the vendor.

end #Vendor

# Product definition(s):
#
# All product attributes are optional, except for the tag and the
# filesets which must be contained within it.

product

tag       "OPENAFS"# The identifier for the product.
title     "Open Source Andrews File System" # The name of the product.
revision   "A.1.2.10"# The revision (release) number of the product.

#number"the_number"       # The order/part number for the product.
category   "OpenSource"# The type of software (identifier).
#category_title "the category title" # The type of software (string).
description  < data/product.description # A file containing a
#multi-line description of the product.

copyright  "(c)Copyright 2002 International Business Machines Corporation and others. All Rights Reserved."
readme  < data/product.README # A multi-page README for the product.

architecture HP-UX_B.11.11_32/64 # A concise summary of hardware/OS'es # supported.

machine_type *:32* # Machines the product supports (uname -m).
os_name HP-UX # OS'es the product supports (uname -s).
os_release ?.11.11# OS releases the product supports (uname -r).
os_version * # OS versions the product supports (uname -v).

directory /usr/afs # The root directory for the product
is_locatable false # If defined then users can install the product
 # into any directory they specify.

# Control script definition(s):
#
# Control scripts are optional. If defined, then specify the
# path to the script file.
#
# NOTE: control scripts can be defined for products or filesets

configure scripts/openafs.configure
unconfigure scripts/openafs.unconfigure

# Subproduct definition(s):
#
# Subproducts are optional. If defined, then they group/partition
# the product's filesets into logical sets. If defined, then the
# tag and contents are required.
#
# The Runtime subproduct contains anything that is pertinent to
# either the server or client products
#
# subproduct

tagRuntime
	title "Runtime Requirements for OpenAFS Client and Server"
	contents OPENAFS-RUN
end # Runtime subproduct

fileset

tag OPENAFS-RUN
	title "OpenAFS Runtime"
	revision A.1.2.10
architecture HP-UX_B.11.11_32/64
machine_type *:32* # Machines the product supports (uname -m).

os_name HP-UX # OS'es the product supports (uname -s).

os_release ?.11.11# OS releases the product supports (uname -r).
os_version  * # OS versions the product supports (uname -v).
ancestor OPENAFS.OPENAFS-RUN,fa=HP-UX_B.11.11_32/64,fr=<A.1.2.10

description < data/openafs-run.description

is_kernel false
is_reboot false

# Dependency definition(s):
#

# prerequisite
# corequisite

#configure  scripts/openafs-run.configure
#unconfigure  scripts/openafs-run.unconfigure
#preremove  scripts/openafs-run.preremove
#postremove  scripts/openafs-run.postremove

# File definition(s):
#
# To define the files contained in a fileset, you can:
# 1) specify default permissions,
# 2) specify files explicitly,
# 3) specify files implicitly,
# 4) map source pathnames to target pathnames.

file_permissions -m 755 -o root -g sys
directory  /usr/afs

file_permissions -u 222 -o root -g sys
directory  /usr/vice
directory  /usr/vice/etc
directory  /usr/vice/etc/config

file_permissions -m 755 -o root -g sys
directory  ../../../hp_ux110/dest/bin = /usr/afs/bin
file_permissions -u 222 -o root -g sys

   file  afsmonitor
   file  bos
   file  compile_et
   file  dlog
   file  dpass
   file  fs
   file  install
file klog
file klog.krb
file knfs
file kpasswd
file livesys
file rxgen
file pagsh
file pagsh.krb
file pts
file scout
file sys
file tokens
file tokens.krb
file translate_et
file udebug
file unlog
file xstat_cm_test
file xstat_fs_test

file_permissions -m 755 -o root -g sys
directory ../../../hp_ux110/dest/etc = /usr/afs/bin
file_permissions -u 222 -o root -g sys
filebackup
file butc
file copyauth

filefms
filestrace
filekas
fileread_tape
filerestorevol
filerxdebug
fileuss
filevos

file_permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.client/usr/vice/etc/dkload = /usr/newconfig/sbin/init.d
fileafs.rcafs

end # fileset
#
# The DocsByLang subproduct contains documentation pages by language

subproduct
tag DocsByLang
title "Manuals by Language"
contents OPENAFS-ENG-DOC
end # Manuals subproduct
fileset
tag OPENAFS-ENG-DOC
title "OpenAFS English Documentation"
revision A.1.2.10

machine_type *:32* # Machines the product supports (uname -m).

os_name     HP-UX  # OS'es the product supports (uname -s).
os_release  ?.11.11# OS releases the product supports (uname -r).
os_version  * # OS versions the product supports (uname -v).
architecture HP-UX_B.11.11_32/64
ancestor OPENAFS.OPENAFS-ENG-DOC,fa=HP-UX_B.11.11_32/64,fr=<A.1.2.10

description < data/openafs-run.description

is_kernel false
is_reboot false

# Dependency definition(s):
#

# prerequisite
# corequisite

#unconfigure scripts/openafs-eng-man.unconfigure
#verify    scripts/openafs-eng-man.verify
#checkremove scripts/openafs-eng-man.checkremove
#preremove  scripts/openafs-eng-man.preremove
#postremove scripts/openafs-eng-man.postremove
#control_file scripts/openafs-eng-man.subscript

directory ../../../doc = /usr/afs/doc

description < data/openafs-srv.description

file_permissions -u 222 -o root -g sys
directory  ../../../doc = /usr/afs/doc

end # fileset

fileset
tag OPENAFS-SRV
title "OpenAFS Server"
revision A.1.2.10
architecture HP-UX_B.11.11_32/64
ancestor OPENAFS.OPENAFS-SRV,fa=HP-UX_B.11.11_32/64,fr=<A.1.2.10

description < data/openafs-srv.description
is_kernel false
is_reboot false

# Dependency definition(s):
#

# Require that the Runtime product be in place before installing
# Server product.

prerequisite OPENAFS.OPENAFS-RUN
prerequisite OPENAFS.OPENAFS-KRN32 | OPENAFS.OPENAFS-KRN64
# corequisite

configure    scripts/openafs-srv.configure
unconfigure  scripts/openafs-srv.unconfigure
preremove    scripts/openafs-srv.preremove

#verify       scripts/openafs-srv.verify
#checkremovel scripts/openafs-srv.checkremovel
#preremovel   scripts/openafs-srv.preremovel
#postremovel  scripts/openafs-srv.postremovel
#control_file scripts/openafs-srv.subscript

# File definition(s):
#

file_permissions -u 222 -o bin -g bin
directory   /sbin/fs/afs

file_permissions -u 222 -o bin -g bin
directory   ../../../hp_ux110/dest/root.server/etc = /sbin/fs/afs
tfilecheckrc
tfilemount
tfilemount
tfilefsck
tfsck

file_permissions -m 755 -o root -g sys
directory   ../../../hp_ux110/dest/root.server/usr/afs/bin = /usr/afs/bin
tfile_permissions -u 222 -o root -g sys
tfilebosserver
tfilebuserver
tfilefileservet
tfilekaserver
tfilekpwvalid
tfilept_util
tfileptserver
filesalvager
fileupclient
fileupserver
filevlserver
filevolinfo
filevolserver

file_permissions -m 755 -o root -g sys
directory ../../../hp_ux110/dest/etc = /usr/afs/bin
file_permissions -u 222 -o root -g sys
file    kadb_check
file    kdb
file    kdump
file    kdump32
file    kdump64
file    kseal
file    rmtsysd
file    vsys
fileprdb_check
filevlvd_check
filevlvd_convert

end # fileset

fileset
tag     OPENAFS-CLNT
title   "OpenAFS Client"
revision   A.1.2.10
machine_type *:32*   # Machines the product supports (uname -m).
os_name      HP-UX   # OS'es the product supports (uname -s).
os_release   ?.11.11	# OS releases the product supports (uname -r).
os_version   *     # OS versions the product supports (uname -v).
arquitectura  HP-UX_B.11.11_32/64
ancestor OPENAFS.OPENAFS-CLNT,fa=HP-UX_B.11.11_32/64,fr=<A.1.2.10

description < data/openafs-clnt.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
# If the client is installed, you must install the kernel driver
#
# This prereq means that either kernel filesset must be installed
# the KRN32 for 32 bitOS or KRN64 for 64BIT OS

prerequisite OPENAFS.OPENAFS-RUN
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prerequisite OPENAFS.OPENAFS-KRN32 | OPENAFS.OPENAFS-KRN64

# corequisite

cHECKINSTALLscripts/openafs-clnt.checkinstall
PREINSTALLscripts/openafs-clnt.preinstall
CONFIGURESscripts/openafs-clnt.configure
UNCONFIGURESscripts/openafs-clnt.unconfigure
PREREMOVEScripts/openafs-clnt.preremove

# Have SD create the /usr/vice/cache directories
#
file_permissions -u 222 -o root -g sys
directory /usr/vice/cache

file_permissions -u 222 -o bin -g bin
directory /usr/newconfig/vice
directory /usr/newconfig/vice/etc

file_permissions -u 222 -o root -g sys
directory files/afs = /afs

file_permissions -u 222 -o root -g sys
directory ../../../hp_ux110/dest/root.client/usr/vice/etc = /usr/vice/etc
file CellServDB
file SuidCells
file cacheinfo

file_permissions -u 222 -o root -g sys
directory ../../../hp_ux110/dest/lib = /usr/lib/security

file_permissions -u 222 -o bin -g bin
  file pam_afs.so.1
  file pam_afs.krb.so.1

# Startup links will be configured in the configure script

# File definition(s):
#
# To define the files contained in a fileset, you can:
#
# 1) specify default permissions,
# 2) specify files explicitly,
# 3) specify files implicitly,
# 4) map source pathnames to target pathnames.

file_permissions -u 222 -o bin -g bin
# Put the afs kernel driver filesets into a subproduct
# in order that the prerequisite for the client fileset
# will automatically select the correct kernel fileset
# based on os-bitness

subproduct

tag Kernel

title "OpenAFS Kernel Drivers"

contents OPENAFS-KRN32 OPENAFS-KRN64

end

fileset

tag OPENAFS-KRN32

title "OpenAFS 32bit Kernel Drivers"

revision A.1.2.10

machine_type *:32* # Machines the product supports (uname -m).

os_name HP-UX # OS'es the product supports (uname -s).

os_release ?.11.11 # OS releases the product supports (uname -r).

os_version * # OS versions the product supports (uname -v).

architecture HP-UX_B.11.11_32

ancestor OPENAFS.OPENAFS-KRN,fa=HP-UX_B.11.11_32,fr=<A.1.2.10

description < data/openafs-krn.description

is_kernel true

is_reboot true

# Dependency definition(s):

# prerequisite

# corequisite

exrequisite OPENAFS.OPENAFS-KRN64

checkremove scripts/openafs-krn.checkremove

configure scripts/openafs-krn.configure

postinstall scripts/openafs-krn.postinstall

unconfigure scripts/openafs-krn.unconfigure

verify scripts/openafs-krn.verify

# File definition(s):

#
file_permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.client/bin = /usr/conf/lib
    file libafs64.nonfs.a libafs.a

directory ../../../hp_ux110/dest/root.client/usr/vice/etc = /usr/conf/master.d
    file afs.driverafs

end # files

files

tag OPENAFS-KRN64
title "OpenAFS 64 bit Kernel Drivers"
revision A.1.2.10
os_name HP-UX  # OS'es the product supports (uname -s).
os_release ?.11.11# OS releases the product supports (uname -r).
os_version * # OS versions the product supports (uname -v).
machine_type *.64*
architecture HP-UX_B.11.11_64
ancestor OPENAFS.OPENAFS-KRN,fa=HP-UX_B.11.11_64,fr=<A.1.2.10
description < data/openafs-krn.description

is_kernel true
is_reboot true

# Dependency definition(s):
#
# prerequisite
# corequisite
exrequisite OPENAFS.OPENAFS-KRN32

checkremove scripts/openafs-krn.checkremove
configure scripts/openafs-krn.configure
postinstall scripts/openafs-krn.postinstall
unconfigure scripts/openafs-krn.unconfigure
verify scripts/openafs-krn.verify

# File definition(s):
#
file_permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.client/bin = /usr/conf/lib
    file libafs64.nonfs.a libafs.a

end # files
# End of Kernel subproduct
# We can call this whatever you like, the name falls in line
# with other SD packaged media
#
fileset
tag     OPENAFS-DEV
title   "OpenAFS Developers Kit"
revision   A.1.2.10
architecture HP-UX_B.11.11_64
ancestor OPENAFS.OPENAFS-DEV,fa=HP-UX_B.11.11_32/64,fr=<A.1.2.10
machine_type *:32*
description < data/openafs-krn.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
#
# prerequisite
# corequisite

#unconfigure  scripts/openafs-dev.unconfigure
#verify      scripts/openafs-dev.verify
#checkremov e scripts/openafs-dev.checkremov e
#preremov e  scripts/openafs-dev.preremov e
#postremov e  scripts/openafs-dev.postremov e
#ucontrol_file scripts/openafs-dev.subscript

# File definition(s):
#
#
#      file_permissions -u 222 -o bin -g bin
directory   ../../../hp_ux110/dest/include = /usr/afs/include
#      file   *

file_permissions -u 222 -o bin -g bin
directory   ../../../hp_ux110/dest/root.perf/include/afs = /usr/afs/include/afs
#      file   afs_stats.h	# Included above
#      file   afs_sysnames.h	# Included above
#      file   afs_usrops.h
#      file   param.h	# Different param.h than above
#      file   stds.h
#      file   sysincludes.h

end # fileset
The ManualsByLang subproduct contains manual pages by language.

```ini
# The ManualsByLang subproduct contains manual pages by language

subproduct
tag ManualsByLang
title "Manuals by Language"
contents OPENAFS-ENG-MAN
end # Manuals subproduct

fileset
tag OPENAFS-ENG-MAN
title "OpenAFS English Manual Pages"
revision A.1.2.10
architecture HP-UX_B.11.11_32/64
ancestor OPENAFS.OPENAFS-ENG-MAN,fa=HP-UX_B.11.11_32/64,fr=<A.1.2.10

# description < data/openafs-run.description

is_kernel false
is_reboot false

# Dependency definition(s):
#

# prerequisite
# corequisite

configure scripts/openafs-eng-man.configure
unconfigure scripts/openafs-eng-man.unconfigure
#verify scripts/openafs-eng-man.verify
#checkremove scripts/openafs-eng-man.checkremove
#preremove scripts/openafs-eng-man.preremove
#postremove scripts/openafs-eng-man.postremove
#control_file scripts/openafs-eng-man.subscript

# File definition(s):
#

file_permissions -u 222 -o bin -g bin
directory /usr/afs/man
directory /usr/afs/man/man1
directory ../../src/man = /usr/afs/man/man1
file *

end # fileset
end # product
```

Los Programas que se enumeran a continuación son programas bajo licencia sujetos a los siguientes términos y
condiciones ademáis de los del International Program License Agreement.

Número de programa: 5630-A18
Autorización para el uso en sistemas personales/portátiles: 2
Preparación para el año 2000: 1

<d id="es_211">Garantía:
<p>"1" significa que este Programa tiene una garantía de devolución del dinero de 30 días.
</d>
<p>"1" significa que el Programa puede instalarse en la máquina principal y en otra máquina, siempre y cuando el Programa no esté activo en ambas máquinas al mismo tiempo.
</p>
<d id="es_213">Fecha final de los servicios del programa:
</d>
(d id="es_214">Preparación para el año 2000:
<p>"2" significa que este Programa, cuando se utiliza de acuerdo con su documentación correspondiente, es capaz de procesar, enviar y/o recibir correctamente datos de fecha comprendidos entre los siglos XX y XXI inclusive, siempre que todos los productos (por ejemplo, hardware, software y código interno) utilizados con este Programa de IBM intercambien datos de fechas con el mismo de forma correcta y precisa.
</d>
(d id="es_22">Entorno operativo especificado
</d>
</d>

This is the copyright
# Copyright 2000, International Business Machines Corporation and others.
# All Rights Reserved.
#
# This software has been released under the terms of the IBM Public
# License. For details, see the LICENSE file in the top-level source
# directory or online at http://www.openafs.org/dl/license10.html

# make compiler warnings fatal
AFSDEV_AUXCDEFINES = $(AFSDEV_AUXCDEFINES) -WX

# include the primary makefile
RELDIR=WINNT\license
!INCLUDE ..\..\config\NTMakefile.$(SYS_NAME)
!INCLUDE ..\..\config\NTMakefile.version

############################################################################
EXEFILE = $(DESTDIR)\bin\sgml2rtf.exe
EXERES = $(OUT)\sgml2rtf.res
EXEOBJS = \\
$(OUT)\main.obj \
$(OUT)\multistring.obj

EXELIBS = \nuser32.lib

$(EXERES): $(EXEOBJS) $(EXERES) $(EXECONLINK) $(EXELIBS) $(\_VC\_MANIFEST\_EMBED\_EXE) $(CODESIGN\_USERLAND) $(SYMSTORE\_IMPORT)

############################################################################
install : $(EXEFIILE) lang

lang ::
$(CD) lang
@$(MAKECMD) /nologo /f NTMakefile install
$(CD) ..

mkdir:
-mkdir $(OUT)\lang
cd lang
nmake /nologo /f ntmakefile SRC=$(SRC) OBJ=$(OBJ) mkdir
cd ..

clean ::
$(DEL) $(EXERES)
$(CD) lang
@$(MAKECMD) /nologo /f NTMakefile clean
$(CD) ..
# File: psf-1.2.10
# # Purpose: OpenAFS Product Specification File (PSF) for swpackage
# # Copyright: Copyright (c) 2003 International Business Machines Corporation and others. All Rights Reserved.
# # Header: $Header$
# # Description: This PSF contains a valid product definition which includes
# # all attributes for OpenAFS installation via software Distributor
# # # Not all control scripts are required for installation of a product/fileset
# # # Below is the list of control scripts that can be used on either
# Products or filesets

# Control script definition(s):
#
# Control scripts are optional. If defined, then specify the
# path to the script file.
#
# NOTE: control scripts can be defined for products too.

#checkinstall path         # Install check script
#preinstall   path         # Install pre-load script
#postinstall  path         # Install post-load script
#configure    path         # Configure for use script
#unconfigure  path         # Configure undo script
#verify       path         # Verify integrity script
#checkremove  path         # Remove check script
#preremove    path         # Remove pre-remove script
#postremove   path         # Remove post-remove script
#control_file path         # Addition (sub)script or control data

vendor

tag       "OpenSource"# The identifier for the vendor.
title      "OpenSource Software"# The name of the vendor.
# uuid       ""# The NetLs UUID for the vendor.
description < data/vendor.description # A multi-line description of the vendor.

end #Vendor

# Product definition(s):
#
# All product attributes are optional, except for the tag and the
# filesets which must be contained within it.

product

tag       "OPENAFS"# The identifier for the product.
title      "Open Source Andrews File System"# The name of the product.
revision    "A.1.2.10"# The revision (release) number of the product.

#number"the_number"   # The order/part number for the product.
category    "OpenSource"# The type of software (identifier).
#category_title "the category title" # The type of software (string).

description < data/product.description # A file containing a
#multi-line description of the product.

copyright   "(c)Copyright 2002 International Business Machines Corporation and others. All Rights Reserved."
readme < data/product.README # A multi-page README for the product.

architecture HP-UX_B.11.00_32/64 # A concise summary of hardware/OS'es supported.

machine_type *:32*   # Machines the product supports (uname -m).
os_name      HP-UX   # OS'es the product supports (uname -s).
os_release   ?.11.00# OS releases the product supports (uname -r).
os_version   *    # OS versions the product supports (uname -v).

directory   /usr/afs # The root directory for the product
is_locatable false   # If defined then users can install the product
# into any directory they specify.

# Control script definition(s):
# Controls scripts are optional. If defined, then specify the
# path to the script file.
# NOTE: control scripts can be defined for products or filesets

    configure  scripts/openafs.configure
    unconfigure  scripts/openafs.unconfigure

# Subproduct definition(s):
# Subproducts are optional. If defined, then they group/partition
# the product's filesets into logical sets. If defined, then the
# tag and contents are required.
#
# The Runtime subproduct contains anything that is pertinent to
# either the server or client products
#
# subproduct
    tagRuntime
    title   "Rutime Requirements for OpenAFS Client and Server"
    contents  OPENAFS-RUN
end # Runtime subproduct

fileset
    tag     OPENAFS-RUN
    title   "OpenAFS Runtime"
    revision  A.1.2.10
    architecture HP-UX_B.11.00_32/64
    machine_type *:32*   # Machines the product supports (uname -m).
    os_name      HP-UX   # OS'es the product supports (uname -s).
os_release  ?.11.00# OS releases the product supports (uname -r).

os_version  * # OS versions the product supports (uname -v).

ancestor OPENAFS.OPENAFS-RUN,fa=HP-UX_B.11.00_32/64,fr=<A.1.2.10

description < data/openafs-run.description

is_kernel false
is_reboot false

# Dependency definition(s):
#

# prerequisite
# corequisite

#configure scripts/openafs-run.configure
#unconfigure scripts/openafs-run.unconfigure
#preremove scripts/openafs-run.preremove
#postremove scripts/openafs-run.postremove

# File definition(s):
#
# To define the files contained in a fileset, you can:
#
#   1) specify default permissions,
#   2) specify files explicitly,
#   3) specify files implicitly,
#   4) map source pathnames to target pathnames.

file_permissions -m 755 -o root -g sys
directory /usr/afs

file_permissions -u 222 -o root -g sys
directory /usr/vice
directory /usr/vice/etc
directory /usr/vice/etc/config

file_permissions -m 755 -o root -g sys
directory ../../../hp_ux110/dest/bin = /usr/afs/bin
derive_permissions -u 222 -o root -g sys

file afsmonitor
file bos
file compile_et
file dlog
file dpass
file fs
file install
file klog
file klog.krb
file knfs
file kpasswd
file livesys
file rxgen
file pagsh
file pagsh.krb
file pts
file scout
file sys
file tokens
file tokens.krb
file translate_et
file udebug
file unlog
file xstat_cm_test
file xstat_fs_test

file permissions -m 755 -o root -g sys
directory ../../../hp_ux110/dest/etc = /usr/afs/bin
file permissions -u 222 -o root -g sys
    filebackup
    file butc
    file copyauth
filefms
filefstrace
    filekas
fileread_tape
filerestorevol
filerxdebug
fileuss
    filevos

    file permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.client/usr/vice/etc/dkload = /usr/newconfig/sbin/init.d
fileafs.rrafs

end # fileset
#
# The DocsByLang subproduct contains documentation pages by language

subproduct
tag DocsByLang
title "Manuals by Language"
contents OPENAFS-ENG-DOC
end # Manuals subproduct
fileset
tag  OPENAFS-ENG-DOC
title  "OpenAFS English Documentation"
revision  A.1.2.10
machine_type *.32*  # Machines the product supports (uname -m).
os_name  HP-UX  # OS'es the product supports (uname -s).
os_release  ?.11.00# OS releases the product supports (uname -r).
os_version  *  # OS versions the product supports (uname -v).
architecture  HP-UX_B.11.00_32/64
ancestor  OPENAFS.OPENAFS-ENG-DOC,fa=HP-UX_B.11.00_32/64,fr=<A.1.2.10

description < data/openafs-run.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
#
# prerequisite
# corequisite

#unconfigure  scripts/openafs-eng-man.unconfigure
#verify  scripts/openafs-eng-man.verify
#checkremove  scripts/openafs-eng-man.checkremove
#preremove  scripts/openafs-eng-man.preremove
#postremove  scripts/openafs-eng-man.postremove
#control_file  scripts/openafs-eng-man.subscript

file_permissions -u 222 -o root -g sys
directory  ../../../doc = /usr/afs/doc
file*

end # fileset

fileset
tag  OPENAFS-SRV
title  "OpenAFS Server"
machine_type *.32*  # Machines the product supports (uname -m).
os_name  HP-UX  # OS'es the product supports (uname -s).
os_release  ?.11.00# OS releases the product supports (uname -r).
os_version  *  # OS versions the product supports (uname -v).
revision  A.1.2.10
architecture  HP-UX_B.11.00_32/64
ancestor  OPENAFS.OPENAFS-SRV,fa=HP-UX_B.11.00_32/64,fr=<A.1.2.10
description < data/openafs-srv.description

is_kernel false
is_reboot false

# Dependency definition(s):
#

# Require that the Runtime product be in place before installing
# Server product.

prerequisite OPENAFS.OPENAFS-RUN
prerequisite OPENAFS.OPENAFS-KRN32 | OPENAFS.OPENAFS-KRN64
# corequisite

configure scripts/openafs-srv.configure
unconfigure scripts/openafs-srv.unconfigure
preremove scripts/openafs-srv.preremove

#verify scripts/openafs-srv.verify
#checkremove scripts/openafs-srv.checkremove
#preremove scripts/openafs-srv.preremove
#postremove scripts/openafs-srv.postremove
#control_file scripts/openafs-srv.subscript

# File definition(s):
#

file_permissions -u 222 -o bin -g bin
directory /sbin/fs/afs

file_permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.server/etc = /sbin/fs/afs

filecheckrc
filemount
fileumount
filevfscfck fsck

file_permissions -m 755 -o root -g sys
directory ../../../hp_ux110/dest/root.server/usr/af/bin = /usr/af/bin

file_permissions -u 222 -o root -g sys
  filebosserver
  filebuserver
  filefileserv
  filekaserver
  filekpwvalid
  filept_util
fileptserver
filesalvager
fileupclient
fileupserver
filevlsserver
filevolinfo
filevolserver

file_permissions -m 755 -o root -g sys
directory ../../../hp_ux110/dest/etc = /usr/afs/bin
file_permissions -u 222 -o root -g sys
file kadb_check
file kdb
file kdump
file kdump32
file kdump64
file kseal
file rmtsysd
file vsys
fileprdb_check
filevldb_check
filevldbd_convert

end # fileset

fileset
tag OPENAFS-CLNT
title "OpenAFS Client"
revision A.1.2.10
machine_type *.32* # Machines the product supports (uname -m).
os_name HP-UX # OS'es the product supports (uname -s).
os_release ?.11.00# OS releases the product supports (uname -r).
os_version * # OS versions the product supports (uname -v).
architecture HP-UX_B.11.00_32/64
ancestor OPENAFS OPENAFS-CLNT,fa=HP-UX_B.11.00_32/64,fr=<A.1.2.10

description < data/openafs-clnt.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
# If the client is installed, you must install the kernel driver
#
# This prereq means that either kernel fileset must be installed
# the KRN32 for 32 bitOS or KRN64 for 64BIT OS
prerequisite OPENAFS.OPENAFS-RUN
prerequisite OPENAFS.OPENAFS-KRN32 | OPENAFS.OPENAFS-KRN64
# corequisite

checkinstallscripts/openafs-clnt.checkinstall
preinstallscripts/openafs-clnt.preinstall
configurescripts/openafs-clnt.configure
unconfigurescripts/openafs-clnt.unconfigure
preremovescripts/openafs-clnt.preremove

# Have SD create the /usr/vice/cache directories
#
file_permissions -u 222 -o root -g sys
directory /usr/vice/cache

file_permissions -u 222 -o bin -g bin
directory /usr/newconfig/vice
directory /usr/newconfig/vice/etc

file_permissions -u 222 -o root -g sys
directory files/afs = /afs

file_permissions -u 222 -o bin -g bin
directory files/usr/vice/etc = /usr/newconfig/usr/vice/etc

fileCellServDB
filesuidCells
filecacheinfo

file_permissions -u 222 -o root -g sys
directory ../../../hp_ux110/dest/root.client/usr/vice/etc = /usr/vice/etc

fileafs

directory ../../../hp_ux110/dest/lib = /usr/lib/security
file_permissions -u 222 -o bin -g bin
file pam_afs.so.1
file pam_afs.krb.so.1

# Startup links will be configured in the configure script

# File definition(s):
#
# To define the files contained in a fileset, you can:
#
# 1) specify default permissions,
# 2) specify files explicitly,
# 3) specify files implicitly,
# 4) map source pathnames to target pathnames.


directory ../../../hp_ux110/dest/bin = /usr/afs/bin
file up
file cmdebug

end # fileset

#
# Put the afs kernel driver filesets into a subproduct
# in order that the prerequisite for the client fileset
# will automatically select the correct kernel fileset
# based on os-bitness
subproduct
tag Kernel
title "OpenAFS Kernel Drivers"
contents OPENAFS-KRN32 OPENAFS-KRN64
end

fileset
tag OPENAFS-KRN32
title "OpenAFS 32bit Kernel Drivers"
revision A.1.2.10
machine_type *:32* # Machines the product supports (uname -m).
os_name HP-UX # OS'es the product supports (uname -s).
os_release ?.11.00 # OS releases the product supports (uname -r).
os_version * # OS versions the product supports (uname -v).
architecture HP-UX_B.11.00_32
ancestor OPENAFS.OPENAFS-KRN,fa=HP-UX_B.11.00_32,fr=<A.1.2.10

description < data/openafs-krn.description

is_kernel true
is_reboot true

# Dependency definition(s):
#
# prerequisite
# corequisite
exrequire OPENAFS.OPENAFS-KRN64

cHECKREMOVE scripts/openafs-krn.checkremove
configurE scripts/openafs-krn.configure
postinstall scripts/openafs-krn.postinstall
unconfigure scripts/openafs-krn.unconfigure
verify scripts/openafs-krn.verify

# File definition(s):
#
file_permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.client/bin = /usr/conf/lib
    file libafs64.nonfs.libafs.a

file_permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.client/usr/vice/etc = /usr/conf/master.d
    file afs.driverafs

derived_fileset

tag OPENAFS-KRN64
title "OpenAFS 64 bit Kernel Drivers"
revision A.1.2.10
os_name HP-UX # OS'es the product supports (uname -s).
os_release ?.11.00# OS releases the product supports (uname -r).
os_version * # OS versions the product supports (uname -v).
machine_type *:64*
architecture HP-UX_B.11.00_64
ancestor OPENAFS.OPENAFS-KRN,fa=HP-UX_B.11.00_64,fr=<A.1.2.10
description < data/openafs-krn.description

is_kernel true
is_reboot true

# Dependency definition(s):
#
#
# prerequisite
# corequisite
exrequisite OPENAFS.OPENAFS-KRN32

cHECKREMOVE scripts/openafs-krn.checkremove
CONFIGURE scripts/openafs-krn.configure
POSTINSTALL scripts/openafs-krn.postinstall
UNCONFIGURE scripts/openafs-krn.unconfigure
VERIFY scripts/openafs-krn.verify

# File definition(s):
#

file_permissions -u 222 -o bin -g bin
directory ../../../hp_ux110/dest/root.client/bin = /usr/conf/lib
    file libafs64.nonfs.libafs.a

end # fileset
# End of Kernel subproduct
#
# We can call this whatever you like, the name falls in line
# with other SD packaged media
#
fileset
tag     OPENAFS-DEV
title   "OpenAFS Developers Kit"
revision   A.1.2.10
architecture HP-UX_B.11.00_64
ancestor OPENAFS.OPENAFS-DEV,fa=HP-UX_B.11.00_32/64,fr=<A.1.2.10
machine_type *:32*
description < data/openafs-krn.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
# prerequisite
# corequisite

#unconfigure scripts/openafs-dev.unconfigure
#verify scripts/openafs-dev.verify
#checkremove scripts/openafs-dev.checkremove
#preremove scripts/openafs-dev.preremove
#postremove scripts/openafs-dev.postremove
#ucontrol_file scripts/openafs-dev.subscript

# File definition(s):
#
#      file_permissions -u 222 -o bin -g bin
directory   ../../../hp_ux110/dest/include = /usr/afs/include
#      file   *

file_permissions -u 222 -o bin -g bin
directory   ../../../hp_ux110/dest/root.perf/include/afs = /usr/afs/include/afs
#      file   afs_stats.h# Included above
#      file   afs_sysnames.h# Included above
      file   afs_usrops.h
#      file   param.h# Different param.h than above
#      file   stds.h
      file   sysincludes.h
subproduct
  tag     ManualsByLang
  title   "Manuals by Language"
  contents OPENAFS-ENG-MAN
end # Manuals subproduct

fileset
  tag     OPENAFS-ENG-MAN
  title   "OpenAFS English Manual Pages"
  revision A.1.2.10
  architecture HP-UX_B.11.00_32/64
  ancestor OPENAFS.OPENAFS-ENG-MAN,fa=HP-UX_B.11.00_32/64,fr=<A.1.2.10

# description < data/openafs-run.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
# prerequisite
# corequisite

configure  scripts/openafs-eng-man.configure
unconfigure  scripts/openafs-eng-man.unconfigure
#verify       scripts/openafs-eng-man.verify
#checkremove  scripts/openafs-eng-man.checkremove
#preremove    scripts/openafs-eng-man.preremove
#postremove   scripts/openafs-eng-man.postremove
#control_file scripts/openafs-eng-man.subscript

# File definition(s):
#
file_permissions -u 222 -o bin -g bin
directory   /usr/afs/man
directory   /usr/afs/man/man1
directory   ../../../src/man = /usr/afs/man/man1
datafile   *
This is the depot copyright.

# After changing this file, please run
#    git ls-files -i --exclude-standard
# to check that you haven't inadvertently ignored any tracked files.

*.rtf

# File:        psf-1.2.10-11.22
#
# Purpose:     OpenAFS Product Specification File (PSF) for swpackage
#
# Copyright:   Copyright (c) 2003 International Business Machines Corporation and others. All Rights Reserved.
#
# Header:      $Header$
#
# Description: This PSF contains a valid product definition which includes
#               all attributes for OpenAFS installation via software Distributor
#
#   This psf is for 11.22, Itanium only
#
# Not all control scripts are required for installation of a product/fileset
#
# Below is the list of control scripts that can be used on either
# Products or filesets
#
# Control script definition(s):
#
# Control scripts are optional. If defined, then specify the
# path to the script file.
#
# NOTE: control scripts can be defined for products too.

#checkinstall path   # Install check script
#preinstall  path    # Install pre-load script
#postinstall path    # Install post-load script
#configure path      # Configure for use script
#unconfigure path    # Configure undo script
#verify  path        # Verify integrity script
#checkremove path    # Remove check script
#preremove path      # Remove pre-remove script
#postremove path     # Remove post-remove script
#control_file path   # Addition (sub)script or control data

vendor
tag   "OpenSource"# The identifier for the vendor.
title  "OpenSource Software"# The name of the vendor.
# uuid   ""# The NetLs UUID for the vendor.
description < data/vendor.description # A multi-line description of the vendor.
# Product definition(s):
#
# All product attributes are optional, except for the tag and the
# filesets which must be contained within it.

product

tag   "OPENAFS"# The identifier for the product.
title "Open Source Andrews File System"# The name of the product.
revision "B.1.2.10"# The revision (release) number of the product.

#number"the_number"# The order/part number for the product.
category  "OpenSource""# The type of software (identifier).
#category_title "the category title"# The type of software (string).

description < data/product.description # A file containing a
#multi-line description of the product.

copyright "(c)Copyright 2002 International Business Machines Corporation and others. All Rights Reserved."

readme < data/product.README # A multi-page README for the product.

architecture HP-UX_B.11.22_IA/PA # A concise summary of hardware/OS'es
#supported.

machine_type ia64*# Machines the product supports (uname -m).
os_name HP-UX# OS'es the product supports (uname -s).
os_release ?.11.22# OS releases the product supports (uname -r).
os_version *# OS versions the product supports (uname -v).

directory /usr/afs # The root directory for the product
is_locatable false# If defined then users can install the product
# into any directory they specify.

# Control script definition(s):
#
# Control scripts are optional. If defined, then specify the
# path to the script file.
#
# NOTE: control scripts can be defined for products or filesets

configure scripts/openafs.configure
unconfigure scripts/openafs.unconfigure
# Subproduct definition(s):
#
# Subproducts are optional. If defined, then they group/partition
# the product's filesets into logical sets. If defined, then the
# tag and contents are required.
#
# The Runtime subproduct contains anything that is pertinent to
# either the server or client products
#
subproduct
tag Runtime
title "Runtime Requirements for OpenAFS Client and Server"
contents OPENAFS-RUN
end # Runtime subproduct

fileset
tag OPENAFS-RUN
title "OpenAFS Runtime"
revision B.1.2.10
architecture HP-UX_B.11.22_IA/PA
machine_type ia64*  # Machines the product supports (uname -m).
        os_name     HP-UX  # OS'es the product supports (uname -s).
        os_release  ?.11.22# OS releases the product supports (uname -r).
        os_version  *     # OS versions the product supports (uname -v).
ancestor OPENAFS.OPENAFS-RUN,fa=HP-UX_B.11.22_IA/PA,fr=<B.1.2.10

description < data/openafs-run.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
# prerequisite
# corequisite

#configure scripts/openafs-run.configure
#unconfigure scripts/openafs-run.unconfigure
#preremove scripts/openafs-run.preremove
#postremove scripts/openafs-run.postremove

# File definition(s):
#
# To define the files contained in a fileset, you can:
#
# 1) specify default permissions,
# 2) specify files explicitly,
# 3) specify files implicitly,
# 4) map source pathnames to target pathnames.

```bash
file_permissions -m 755 -o root -g sys
directory    /usr/afs

file_permissions -u 222 -o root -g sys
directory    /usr/vice
directory    /usr/vice/etc
directory    /usr/vice/etc/config

file_permissions -m 755 -o root -g sys
directory    ../hp_ux110/dest/bin = /usr/afs/bin
directory    ../hp_ux110/dest/etc = /usr/afs/bin

file_permissions -u 222 -o root -g sys

file afsmonitor
file bos
file compile_et
file dlog
file dpass
file fs
file install
file klog
file klog.krb
file knfs
file kpasswd
file livesys
file rxgen
file pagsh
file pagsh.krb
file pts
file scout
file sys
file tokens
file tokens.krb
file translate_et
file udebug
file unlog
file xstat_cm_test
file xstat_fs_test

file_permissions -m 755 -o root -g sys
directory    ../hp_ux110/dest/etc = /usr/afs/bin

file_permissions -u 222 -o root -g sys

filebackup
file butc
file copyauth
```
fileperms
filestrace
filekas
fileread_tape
filerestorevol
filerxdebug
fileuss
filevos

    file_permissions -u 222 -o bin -g bin
directory ../hp_ux110/dest/root.client/usr/vice/etc/dklload = /usr/newconfig/sbin/init.d
fileafs.rcafs

    end # fileset
    #
    # The DocsByLang subproduct contains documentation pages by language

subproduct
tag       DocsByLang
title     "Manuals by Language"
contents  OPENAFS-ENG-DOC
end # Manuals subproduct
fileset
tag     OPENAFS-ENG-DOC
title   "OpenAFS English Documentation"
revision   B.1.2.10
machine_type ia64*  # Machines the product supports (uname -m).
os_name      HP-UX   # OS'es the product supports (uname -s).
os_release   ?.11.22# OS releases the product supports (uname -r).
os_version   * # OS versions the product supports (uname -v).
architecture HP-UX_B.11.22_IA/PA
ancestor OPENAFS.OPENAFS-ENG-DOC,fa=HP-UX_B.11.22_IA/PA,fr=<B.1.2.10

description < data/openafs-run.description

is_kernel false
is_reboot false

    # Dependency definition(s):
    #
    # prerequisite
    # corequisite

    #unconfigure  scripts/openafs-eng-man.unconfigure
    #verify       scripts/openafs-eng-man.verify
    #checkremove  scripts/openafs-eng-man.checkremove
# OpenAFS-SRV

tag "OpenAFS Server"

machine_type ia64* # Machines the product supports (uname -m).
o_s_name HP-UX # OS'es the product supports (uname -s).
o_s_release ?.11.22 # OS releases the product supports (uname -r).
o_s_version * # OS versions the product supports (uname -v).
revision B.1.2.10
architecture HP-UX_B.11.22_IA/PA
ancestor OPENAFS.OPENAFS-SRV,fa=HP-UX_B.11.22_IA/PA,fr=<B.1.2.10

description < data/openafs-srv.description

is_kernel false
is_reboot false

# Dependency definition(s):
#

# Require that the Runtime product be in place before installing
# Server product.

prerequisite OPENAFS.OPENAFS-RUN
prerequisite OPENAFS.OPENAFS-KRN64
# corequisite

configure scripts/openafs-srv.configure
unconfigure scripts/openafs-srv.unconfigure
preremove scripts/openafs-srv.preremove

#verify scripts/openafs-srv.verify
#checkremove scripts/openafs-srv.checkremove
#preremove scripts/openafs-srv.preremove
#postremove scripts/openafs-srv.postremove
#control_file scripts/openafs-srv.subscript
# File definition(s):
#

file_permissions -u 222 -o bin -g bin
directory /sbin/fs/afs

file_permissions -u 222 -o bin -g bin
directory ../hp_ux110/dest/root.server/etc = /sbin/fs/afs
tarbcheckrc
tarfeumount

tarfsck fsck

file_permissions -m 755 -o root -g sys
directory ../hp_ux110/dest/root.server/usr/afs/bin = /usr/afs/bin
file_permissions -u 222 -o root -g sys
tarbcheckbosserver
tarbuseserver
tarfileserver
tarfileserver

tarfklepserver

tarfleplet_util

tarflepleftserver

tarfleponservager

tarfileupclient

tarfileupserver

tarflevlserver

tarflevolinfo

tarflevolserver

file_permissions -m 755 -o root -g sys
directory ../hp_ux110/dest/etc = /usr/afs/bin
file_permissions -u 222 -o root -g sys

tarflefile kadb_check
tarflefile kdb

tarflefile kdump

tarflefile kdump32

tarflefile kdump64

tarflefile kseal

tarflefile rmtsysd

tarflefile vsys

file_permissions -u 222 -o root -g sys

tarflefileprdb_check
tarflefilevldb_check
tarflefilevldb_convert

end # fileset

fileset
tag "OPENAFS-CLNT"
title "OpenAFS Client"
revision B.1.2.10
machine_type ia64* # Machines the product supports (uname -m).
revision HP-UX # OS'es the product supports (uname -s).
revision ?.11.22# OS releases the product supports (uname -r).
revision *. # OS versions the product supports (uname -v).
architecture HP-UX_B.11.22_IA/PA
ancestor OPENAFS.OPENAFS-CLNT,fa=HP-UX_B.11.22_IA/PA,fr=<=B.1.2.10
description < data/openafs-clnt.description

is_kernel false
is_reboot false

# Dependency definition(s):
#
# If the client is installed, you must install the kernel driver
#
# This prereq means that the kernel fileset must be installed

prerequisite OPENAFS.OPENAFS-RUN
prerequisite OPENAFS.OPENAFS-KRN64
# corequisite

checkinstallscripts/openafs-clnt.checkinstall
preinstallscripts/openafs-clnt.preinstall
configurescripts/openafs-clnt.configure
unconfigurescripts/openafs-clnt.unconfigure
preremovescripts/openafs-clnt.preremove

# Have SD create the /usr/vice/cache directories
#
file_permissions -u 222 -o root -g sys
directory /usr/vice/cache

file_permissions -u 222 -o bin -g bin
directory /usr/newconfig/vice
directory /usr/newconfig/vice/etc

file_permissions -u 222 -o root -g sys
directory files/afs = /afs

file_permissions -u 222 -o bin -g bin
directory files/usr/vice/etc = /usr/newconfig/usr/vice/etc
fileCellServDB
fileSuidCells
filecacheinfo
file_permissions -u 222 -o root -g sys
directory  ../hp_ux110/dest/root.client/usr/vice/etc = /usr/vice/etc
fileafs

directory  ../hp_ux110/dest/lib = /usr/lib/security
file_permissions -u 222 -o bin -g bin
  file  pam_afs.so.1
  file  pam_afs.krb.so.1

# Startup links will be configured in the configure script

# File definition(s):
#
# To define the files contained in a fileset, you can:
#
# 1) specify default permissions,
# 2) specify files explicitly,
# 3) specify files implicitly,
# 4) map source pathnames to target pathnames.

file_permissions -u 222 -o bin -g bin
directory  ../hp_ux110/dest/bin = /usr/afs/bin
file  up
file  cmdebug

end # fileset

#
# Put the afs kernel driver filesets into a subproduct
# in order that the prerequisite for the client fileset
# will automatically select the correct kernel fileset
# based on os-bitness, leaving as a subproduct for now
subproduct
tag	Kernel
title	"OpenAFS Kernel Drivers"
contents	OPENAFS-KRN64
end
c
fileset
tag	OPENAFS-KRN64
title	"OpenAFS 64 bit Kernel Drivers"
revision	B.1.2.10
os_name	HP-UX # OS'es the product supports (uname -s).
os_release	?.11.22# OS releases the product supports (uname -r).
os_version	* # OS versions the product supports (uname -v).
machine_type	ia64*
ancestor	OPENAFS-OPENAFS-KRN,fa=HP-UX_B.11.22_IA/PA,fr=<B.1.2.10
description < data/openafs-krn.description

is_kernel true
is_reboot true

# Dependency definition(s):
#

# prerequisite
# corequisite
exrequisite OPENAFS.OPENAFS-KRN32

checkremove scripts/openafs-krn.checkremove
configure scripts/openafs-krn.configure
postinstall scripts/openafs-krn.postinstall
unconfigure scripts/openafs-krn.unconfigure
verify scripts/openafs-krn.verify

# File definition(s):
#

file_permissions -u 222 -o bin -g bin
directory ../hp_ux110/dest/root.client/bin = /usr/conf/lib
    file libafs64.nonfs.a libafs.a

end # fileset
# End of Kernel subproduct
#
# We can call this whatever you like, the name falls in line
# with other SD packaged media
#
filese10
    tag OPENAFS-DEV
    title "OpenAFS Developers Kit"
    revision B.1.2.10
    architecture HP-UX_B.11.22_IA/PA
    ancestor OPENAFS.OPENAFS-DEV,fa=HP-UX_B.11.22_IA/PA,fr=<B.1.2.10
    machine_type ia64*

description < data/openafs-krn.description

is_kernel false
is_reboot false

# Dependency definition(s):
#

# prerequisite
# corequisite

#unconfigure  scripts/openafs-dev.unconfigure
#verify    scripts/openafs-dev.verify
#checkremove scripts/openafs-dev.checkremove
#preremove  scripts/openafs-dev.preremove
#postremove scripts/openafs-dev.postremove
#ucontrol_file scripts/openafs-dev.subscript

# File definition(s):
#
#
# file_permissions -u 222 -o bin -g bin
# directory  ../hp_ux110/dest/include = /usr/afs/include
#    file  *

  file_permissions -u 222 -o bin -g bin
directory  ../hp_ux110/dest/root.perf/include/afs = /usr/afs/include/afs
  # file  afs_stats.h # Included above
  # file  afs_sysnames.h # Included above
  file  afs_usrops.h
  # file  param.h # Different param.h than above
  # file  stds.h
  file  sysincludes.h

end # fileset

# The ManualsByLang subproduct contains manual pages by language

subproduct
tag  ManualsByLang
title  "Manuals by Language"
contents  OPENAFS-ENG-MAN
end # Manuals subproduct

fileset
tag  OPENAFS-ENG-MAN
title  "OpenAFS English Manual Pages"
revision  B.1.2.10
architecture HP-UX_B.11.22_IA/PA
ancestor OPENAFS.OPENAFS-ENG-MAN,fa=HP-UX_B.11.22_IA/PA,fr=<B.1.2.10

# description < data/openafs-run.description

is_kernel false
is_reboot false
# Dependency definition(s):
#
#
# prerequisite
# corequisite

configure  scripts/openafs-eng-man.configure
unconfigure  scripts/openafs-eng-man.unconfigure
#verify       scripts/openafs-eng-man.verify
#checkremove scripts/openafs-eng-man.checkremove
#preremove   scripts/openafs-eng-man.preremove
#postremove  scripts/openafs-eng-man.postremove
#control_file scripts/openafs-eng-man.subscript

# File definition(s):
#
#
file_permissions -u 222 -o bin -g bin
directory /usr/afs/man
directory /usr/afs/man/man1
directory ../src/man = /usr/afs/man/man1
file *

end # fileset
end # product

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1.439 libtls-standalone 2.9.1-r1

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1.440 simpleclient 0.0.21

1.441 go-kit 0.9.0

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1.442 jetty-security 9.4.24.v20191120

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:
Based on libdl (dlfcn.c/dlfcn.h) which is
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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

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1.448 jackson-module-parameter-names

2.9.10

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1.449 iconv 2.17

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* /opt/ws_local/PERMITS_SQL/1026589887_1591370856.70/jcodings-1-0-45-sources-jar/jcodings/transcode/specific/From_UTF_16LE_Transcoder.java
* /opt/ws_local/PERMITS_SQL/1026589887_1591370856.70/jcodings-1-0-45-sources-jar/jcodings/transcode/TranscoderList.java
* /opt/ws_local/PERMITS_SQL/1026589887_1591370856.70/jcodings-1-0-45-sources-jar/jcodings/transcode/specific/Iso2022jp_kddi_encoder_Transcoder.java
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1.463 java-common 0.68ubuntu1~18.04.1
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1.464 diffutils 3.6 1

1.464.1 Available under license:

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1.466 py3-pep 0.8.2-r0

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1.467 tzdata 2020a-r0

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1.468 grok 7.6.2

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* /opt/ws_local/PERMITS_SQL/1075331997_1596109174.66/0/grok-7-6-2-sources-jar/org/elasticsearch/grok/GrokMatchGroup.java
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1.469 libpng 1.6.34 1ubuntu0.18.04.2
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```
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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
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1.472 pcre 8.32 17.el7

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
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PCRE JUST-IN-TIME COMPILATION SUPPORT
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1.473 simpleclient-hotspot 0.0.26

1.474 attr 2.4.47 2build1

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1.475 scala-reflect 2.12.8

1.476 python-urlgrabber 3.10 9.el7

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The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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1.490 tar 1.26-35.el7

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1.496 jts-core 1.15.0

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1.497 python-setuptools 33.1.1

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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.

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go-runhcs is a fork of go-runc

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1.502 curl 7.58.0-2ubuntu3.10

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

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1.503 apk-tools 2.10.5-r0

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1.504 file 5.32 2ubuntu0.3

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bzip2/libbzip2 version 1.0.8 of 13 July 2019
1.507 cyrus-sasl 2.1.26 23.el7

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 * Rob Earhart
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Julian Seward, jseward@acm.org
hzip2/libbzip2 version 1.0.8 of 13 July 2019

1.510 jersey-rx-client 2.25.1

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  jar/io/dropwizard/jetty/NetUtil.java

1.513 argparse 0.8.1

1.514 findutils 4.6.0+git+20170828 2
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<td>Device drivers</td>
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<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
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Ext headers       GL/glext.h             Khronos
GL/glxext.h              Khronos
GL/wglext.h              Khronos
KHR/khrplatform.h      Khronos

*****************************************************************************
----
include/GL/gl.h :

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*****************************************************************************
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include/GL/glxext.h
include/GL/wglext.h :

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```
list.h, multiVis.h, wsutils.h, list.c, multiVis.c

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table, the facility still operates, and performs whatever part of
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1.528 mergo 0.3.8
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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

1.529 libgpg-error 1.12-3.el7

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1.538 aopalliance-repackaged 2.5.0-b32

1.539 pythonurllib 1.19.1-1

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# Contributions to the urllib3 project

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# Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
* HTTPS patch (which inspired HTTPSConnectionPool)
* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRlBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
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* georgemarshall <http://github.com/georgemarshall>
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* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.
* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations
* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* John Krauss <https://github.com/talos>
* Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
* Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jclatherfold@hotmail.com>
* Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
* IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
* Fix low-level exceptions leaking from ```HTTPResponse.stream()```.
* Bugfix for ```ConnectionPool.urlopen(release_conn=False)```.
* Creation of ```HTTPConnectionPool.ResponseCls```.

* Predrag Gruevski <https://github.com/obi1kenobi>
* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
* Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
* Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
* Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
* Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
* Various character-encoding fixes/tweaks
* Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
* Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
* Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
* History list to Retry object.
* HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
* Ensure timeouts are not booleans and greater than zero.
* Fixed infinite loop in `stream` when amt=None.
* Added length_remaining to determine remaining data to be read.
* Added enforce_content_length to raise exception when incorrect content-length received.

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* [Brief summary of your changes]

1.540 libmicrohttpd 0.9.70-r0

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1.543 libwebsockets 3.1.0

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1.550 jetty-util 9.4.24.v20191120

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL 2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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1.552.1 Available under license :
   = Contributors to Ruby

The following list might be incomplete. Feel free to add your name if your
patch was accepted into Ruby.

== A

Ayumu AIZAWA (ayumin)
* committer

AKIYOSHI, Masamichi (akiyoshi)
* committer
* He had maintained the VMS support on 2003-2004.

Muhammad Ali
* wrote rdoc for Fiber
Minero Aoki (aamine)
* committer
* He is the maintainer of:
  * fileutils
  * net/http, net/https
  * net/pop
  * net/smtp
  * racc
  * ripper
  * strscans

Wakou Aoyama (wakou)
* committer
* He was the maintainer of some standard libraries.

Koji Arai
* committer

arton
* He is the distributor of ActiveScriptRuby and experimental 1.9.0-x installers for win32.
* Wrote patches for win32ole, gc.c, tmpdir.rb

Sergey Avseyev
* Added IO#pread and IO#pwrite.

== B

Daniel Berger
* a patch for irb
* documentation
* He wrote forwardable.rb

David Black (dblack)
* committer
* He is the maintainer of scanf

Ken Bloom
* a patch for REXML.

Oliver M. Bolzer
* a patch for soap

Alexey Borzenkov
* a patch for mkmf.rb

Evan Brodie
* a patch for documentation of Float#round
Richard Brown
* a patch for configure.in

Dirkjan Bussink
* a patch for date.rb

Daniel Bovensiepen
* documentation
* a patch for irb

== C

Brian Candler
* a patch for configure.in, net/telnet

keith cascio
* a patch for optparse.rb

Frederick Cheung
* a patch for test/ruby/test_symbol.rb

Christoph
* patches for set.rb

Sean Chittenden
* patches for net/http, cgi

William D. Clinger
* ruby_strtod is based on his paper.

== D

Ryan Davis (ryan)
* committer
* He wrote and is the maintainer of miniunit

Guy Decoux (ts)
* committer

Zach Dennis

Martin Duerst (duerst)
* committer
* M17N

Paul Duncan
* patches for rdoc
Alexander Dymo  
* a patch for lib/benchmark.rb

== E

Yusuke Endoh (mame)  
* committer  
* He wrote and is the maintainer of base64 library (1.9)  
* did much upon YARV compiler.

erlercw  
* wrote Integer::gcd2

== F

Frank S.Fejes  
* a patch for net/pop

Fundakowski Feldman  
* a patch for process.c

Mauricio Fernandez  
* patches for parse.y

David Flanagan (davidflanagan)  
* committer  
* M17N

Takeyuki Fujioka (xibbar)  
* committer  
* He is the maintainer of cgi/*

FUKUMOTO, Atsushi  
* a patch for tracer.rb

Shota Fukumori (sorah)  
* committer  
* #4415 parallel unit/test

Tadayoshi Funaba (tafd)  
* committer  
* He wrote and is the maintainer of  
* date  
* parsedate (1.8)  
* He ported rational.rb and complex.rb, which 1.8 contains, into rational.c and complex.c of 1.9.

== G
David M. Gay
* ruby_strtod

Florian Gilcher
* documentation

GOTOU, Kentaro (gotoken)
* committer
* He wrote benchmark.rb
* He is the maintainer of:
  * benchmark.rb
  * open3

GOTOU, Yuuzou (gotoyuzo)
* committer

James Edward Gray II (jeg2)
* committer
* He wrote the faster implementation of CSV and is the maintainer of csv.
* Wrote documentation for rdoc

Phil Hagelberg
* patch for ruby-mode.el's documentation.

Kirk Haines (wyhaines)
* committer
* the maintainer of ruby_1_8_6 branch

Shinichiro Hamaji
* fixed memory leaks (marshal.c, string.c)

Shin-ichiro HARA
* the developer and the sysop of ruby-{dev,list,core,talk} archive.
* a patch for numeric.c

Chris Heath (traumdeutung)
* a patch for proc.c

HIROKAWA Hisashi
* fixed socket/socket.c

Daniel Hob
* He wrote:
  * SMTP-TLS support for net/smtp.
  * POP3S support
Eric Hodel (drbrain)
* committer
* He is the maintainer of:
  * rdoc
  * ri
  * rubygems

Erik Hollensbe
* a patch for delegate.rb

Johan Holmberg
* a patch for dir.c
* documentation

Erik Huelsmann

Dae San Hwang
* built a continuous integration environment on OpenSolaris.

== I

Nobuhiro IMAI
* a patch for logger.rb

"incorporate"
* a patch for sprintf.c

Keiju Ishitsuka (keiju)
* committer
* He wrote and is the maintainer of:
  * cmath.rb (1.9)
  * complex.rb (1.8)
  * e2mmmap.rb
  * forwardable.rb
  * irb
  * mathn
  * matrix.rb
  * mutex_m.rb
  * rational.rb (1.8)
  * sync.rb
  * shell/*
  * thwait.rb
  * tracer.rb

== J

Curtis Jackson
* missing/dup2.c
Alan Johnson
* a patch for net/ftp

Lyle Johnson
* patches for nkf, bigdecimal, numeric.c

== K

Yoshihiro Kambayashi
* a patch for enc/trans/single_byte.trans.
* He wrote supports for some encodings.

Yutaka Kanemoto
* patches for common.mk, AIX AF_INET6 support

Motoyuki Kasahara
* He wrote getoptlong.rb

Masahiro Kawato
* a patch for shellwords.rb

Wataru Kimura
* a patch for configure.in

Michael Klishin
* patch for make help.

Noritada Kobayashi
* a patch for optparse.rb

Shigeo Kobayashi (shigek)
* committer
* He is the maintainer of bigdecimal

KONISHI, Hiromasa (H_Konishi)
* committer
* He had maintained the bcc32 support in 2004.

Kornelius "murphy" Kalnbach
* documentation

K.Kosako (kosako)
* committer
* He wrote Oniguruma.

Takehiro Kubo
* patches for dl 64bit support.
Marc-André Lafontaine (marcandre)
* committer
* patches for hash.c, array.c, thread.c, enumc, string.c, range.c and rdoc documentation.

Hongli Lai
* improved pstore.rb
* patch for tool/file2lastrev.rb.

Raspberry Lemon
* a patch for webrick/httpproxy.rb.

Christian Loew
* a patch for fileutils.rb

Shugo Maeda (shugo)
* committer
* A system administrator of ruby-lang.org servers.
* He wrote and is the maintainer of:
  * monitor.rb
  * net/ftp
  * net/imap

Stephan Maka (mathew)
* documentation

Yukihiro Matsumoto (matz)
* Matz -- the founder, language designer of Ruby.
* committer
* Ruby itself, most of Ruby.
* He is the maintainer of:
  * singleton
  * timeout
  * gdbm
  * sdbm

Konrad Meyer
* documentation

Mib Software
* missing/vsnprintf.c

Todd C. Miller
* missing/strlcat.c
* missing/strlcpy.c

MIYASAKA, Masaru
* a patch for cgi.rb

Stefan Monnier
* regex.c was fixed with based on his Emacs21 patch.

Marcel Moolenaar
* patches for eval.c and gc.c.

moonwolf
* a patch for REXML, xmlrpc

Hiroshi Moriyama
* a patch for yaml.

Kyosuke Morohashi
* a patch for gem_prelude.rb

Kenta Murata
* patches for json, bignum.c

Akinori MUSHA (knu)
* committer
* He wrote and is the maintainer of:
  * abbrev.rb
  * generator (1.8)
  * enumerator (1.8)
  * set
  * ipaddr.rb
  * digest/*
  * syslog
* He is the branch maintainer of ruby_1_8, the release manager of 1.8 series.

== N

Hidetoshi NAGAI (nagai)
* committer
* He is the maintainer of tk/*

Nobuyoshi Nakada (nobu)
* committer
* a.k.a. the "patch monster"
* He wrote and is the maintainer of:
  * optparse
  * stringio
  * io/wait
* iconv

Satoshi Nakagawa
* patches for util.c

Narihiro Nakamura (nari)
* committer
* a.k.a. authorNari
* working at GC

NAKAMURA, Hiroshi (nahi)
* committer
* He is the maintainer of:
  * csv.rb (1.8)
  * logger.rb
  * soap/*/ (1.8)
  * wsdl/*/ (1.8)
  * xsd/*/ (1.8)

NAKAMURA, Usaku (usa)
* committer
* a.k.a. unak
* He is the maintainer of mswin32 and mswin64 support.

NARUSE, Yui (naruse)
* committer
* a.k.a. "nurse"
* Did much upon m17n.
* He is the maintainer of:
  * json
  * nkf

Christian Neukirchen
* a patch for webrick/httputils

Michael Neumann (mneumann)
* committer
* He is the maintainer of
  * xmlrpc (1.8)
  * gserver (1.8)

NISHIO Hirokazu
* wrote a patch for CVE-2010-0541

Kazuhiro NISHIYAMA (kazu)
* committer
* a.k.a. znz
Go Noguchi

Martin Nordholts
* misc/rdebug.el

nmu
* a patch for socket

== O

okkez
* He is a sysop of the Ruby Reference Manual Renewal Project.
* fixed ipaddr.rb, ext/etc

Haruhiko Okumura
* some of missing/* is based on his book:
  * missing/erf.c
  * missing/lgamma_r.c
  * missing/tgamma.c

OMAE, jun
* a patch for debug.rb

Eugene Ossintsev
* documentation

== P

Heesob Park
* a patch for win32/win32.c.

pegacorn
* a patch for instruby.rb

== Q

== R

Gaston Ramos
* documentation

The Regents of the University of California
* missing/crypt.c
* missing/vsnprintf.c

Sam Roberts
* patch for socket
* documentation
Michal Rokos (michal)
* committer
* He was the maintainer of DJGPP support.

rubikitch
* a patch for io.c

Marcus Rueckert
* a patch for mkconfig.rb.

Run Paint Run Run
* patch for enc/unicode.c
* documentation

Sean Russell (ser)
* committer
* He wrote and is the maintainer of REXML.

== S

Kazuo Saito (ksaito)
* committer
* M17N

Tadashi Saito
* patches for test/ruby/test_math.rb, thread_*.*c, bignum.c
* working upon BigDecimal.
* did much upon documentation

Masahiro Sakai
* a patch for io.c

Laurent Sansonetti
* a patch for tool/ytab.sed

Jeff Saracco
* documentation

Koichi Sasada (ko1)
* committer
* He wrote YARV.

Hugh Sasse
* a patch for net/http
* documentation

Charlie Savage
* a patch for win32/Makefile.sub

Michael Scholz
* a patch for ruby-mode.el

Arthur Schreiber
* patch for net/http and rdoc.

Masatoshi SEKI (seki)
* committer
* He wrote and is the maintainer of:
  * drb/*
  * erb
  * rinda

Roman Shterenzon
* a patch for open-uri.

Kent Sibilev

Gavin Sinclair (gsinclair)
* committer

John W. Small
* He wrote gserver.rb

Yuki Sonoda (yugui)
* committer
* She is the maintainer of man/* manual pages and is the release manager of 1.9 series.
* She wrote prime.rb.
* A developer and a sysop of redmine.ruby-lang.org.

SOUMA, Yutaka
* a patch for pack.c.

Tatsuki Sugiura
* WebDAV support for net/http

Masaki Suketa (suke)
* committer
* He is the maintainer of win32ole

sheepman
* patches for ruby.c, thread.c, stringio, enum.c, webrick, net/http

Siena. (siena)
* committer
Kirill A. Shutemov
* a patch for parse.y

Darren Smith
* a patch for golf_prelude.rb

Richard M. Stallman
* missing/alloca.c

Robin Stocker
* documentation

Joshua Stowers
* a patch for array.c

Marcus Stollsteimer (stomar)
* committer
* a maintainer of www.ruby-lang.org
* patches for cgi (HTML5 tag maker), numeric.c, bigdecimal, ostruct.rb, prime.rb, and others
* documentation

Adam Strzelecki
* a patch for compile.c

Masashi Sumi
* improved net/pop.rb

Eric Sunshine
* NeXT OpenStep, Rhapsody support

Kouhei Sutou (kou)
* committer
* He wrote and is the maintainer of rss/*

David Symonds
* documentation

== T

TAKANO Mitsuhiro (takano32)
* committer
* He is the maintainer of IA-64 support.
* BigDecimal

TAKAO, Kouji (kouji)
* committer
* He is the maintainer of readline.
Nathaniel Talbott (ntalbott)
* committer
* He was the maintainer of test/unit, runit, rubyunit.

TANAKA, Akira (akr)
* committer
* Did much upon m17n.
* And he is the maintainer of:
  * open-uri
  * pathname
  * pp
  * resolv-replace
  * resolv
  * time
  * tsort

Takaaki Tateishi (ttate)
* committer
* He was the maintainer of dl

Technorama Ltd. (technoroma)
* committer
* openssl

Andrew Thompson
* a patch for socket.c IRIX support.

Dave Thomas (dave)
* committer
* a.k.a. the Pragmatic Programmer.
* He wrote rdoc.

Tietew
* patches for win32 support

Masahiro Tomita
* a patch for cgi.rb

Jakub Travnik
* a patch for eval.c

Tom Truscott
* missing/crypt.c

== U

UEDA, Satoshi
* a patch for uri
Takaaki Uematsu (uema2)
* committer
* He was the maintainer of WinCE support.

UENO, Katsuhiro (katsu)
* committer
* He is the maintainer of zlib

Hajimu UMEMOTO
* He wrote ipaddr.rb

URABE, Shyouhei (shyouhei)
* committer
* a.k.a. mput.
* He is the branch maintainer of ruby_1_8_6 and ruby_1_8_7
* and is the release manager of 1.8.x-pXXX.

== V

Joel VanderWerf
* a patch for numeric.c

Peter Vanbroekhoven

Corinna Vinschen

== W

wanabe (wanabe)
* committer
* fixed YARV and Oniguruma.

Chun Wang
* a patch for time.rb

WATANABE, Hirofumi (eban)
* committer
* He is the maintainer of
* ftools (1.8)
* tmpdir
* un
* Win32API

WATANABE, Tetsuya
* a patch for ruby.c

William Webber (wew)
Jim Weirich (jim)
* committer
* He wrote Rake.

Nathan Weizenbaum
* fixed misc/ruby-mode.el.

why the lukky stiff (why)
* committer
* He is the maintainer of syck

Caley Woods
* documentation

Gary Wright
* documentation

== X

== Y

Akira Yamada (akira)
* committer
* He is the maintainer of ruby related packages at Debian project.

Keita Yamaguchi
* patches for enum.c, parse.y
* documentation

Hirokazu Yamamoto (ocean)
* committer

Hirotaka Yoshioka
* a patch for improving SEGV handling

== Z

Aristarkh A Zagorodnikov
* a patch for io.c

Alexander Zavorine
* committer
* He is the maintainer for Symbian OS.

Chiyuan Zhang
* a patch for misc/ruby-mode.el.
Dee Zsombor (zunda)
* a patch for thread_pthread.c

Dan Zwell
* a patch for net/pop

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enc/ascii.c::
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>>> 
A C-program for MT19937, with initialization improved 2002/2/10.
Coded by Takuji Nishimura and Makoto Matsumoto.
This is a faster version by taking Shawn Cokus's optimization,
Matthe Bellew's simplification, Isaku Wada's real version.

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

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missing/lgamma_r.c::
missing/memcmp.c::
missing/memmove.c::
missing/strchr.c::
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ext/date/date_strftime.c::
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L. Peter Deutsch
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ext/digest/rmd160/rmd160.h::

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
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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
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
kprop/kpropd_rpc.c
kprop/kproplog.c

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Mod_authz_unixgroup

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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
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```
cmd/krb5/iprop/iprop.x
```
```
cmd/krb5/iprop/iprop_hdr.h
```
```
cmd/krb5/kadmin/server/ipropd_svc.c
```
```
cmd/krb5/kproplog/kproplog.c
```
```
cmd/krb5/slave/kpropd_rpc.c
```
```
lib/gss_mechs/mech_krb5/et/kdb5_err.c
```
```
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
```
```
lib/gss_mechs/mech_spnego/mach/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
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```
lib/libgss/g_context_time.c
```
```
lib/libgss/g_delete_sec_context.c
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```
lib/libgss/g_dup_name.c
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lib/libgss/g_imp_name.c
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lib/libgss/g_imp_sec_context.c
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lib/libgss/g_init_sec_context.c
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lib/libgss/g_initialize.c
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lib/libgss/g_inquire_context.c
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lib/libgss/g_inquire_cred.c
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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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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

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

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

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

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

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

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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.

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

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

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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
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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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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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src/bdf/bdfdrivr.c
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src/gzip/inflate.c
src/gzip/inftrees.c
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src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
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#
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/opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/ByteBufHolder.java
/opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java

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=================================
Distutils2 Contributors
=================================

The Distutils2 project was started by Tarek Ziad and is currently
maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

Thanks to:

- Rajiv Abraham
- Ali Afshar
- David Barnett
- Pior Bastida
- Anthony Baxter
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- C. Titus Brown
- Francisco Martin Brugu
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A. HISTORY OF THE SOFTWARE

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
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1.588 icu 60.2 3ubuntu3

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

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## Commands to generate dependency files

<table>
<thead>
<tr>
<th>Command</th>
<th>Flags</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)</td>
<td></td>
</tr>
<tr>
<td>GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)</td>
<td></td>
</tr>
</tbody>
</table>

## Flags for position independent code

<table>
<thead>
<tr>
<th>Flag</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHAREDLIBCFLAGS =</td>
<td>-fPIC</td>
</tr>
<tr>
<td>SHAREDLIBCXXFLAGS =</td>
<td>-fPIC</td>
</tr>
<tr>
<td>SHAREDLIBCPPFLAGS =</td>
<td>-DPIC</td>
</tr>
</tbody>
</table>

## Additional flags when building libraries and with threads

<table>
<thead>
<tr>
<th>Flag</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>THREADSCPPFLAGS =</td>
<td>-D_REENTRANT</td>
</tr>
<tr>
<td>LIBCPPFLAGS =</td>
<td></td>
</tr>
</tbody>
</table>

## Compiler switch to embed a runtime search path

<table>
<thead>
<tr>
<th>Flag</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD_RPATH =</td>
<td></td>
</tr>
<tr>
<td>LD_RPATH_PRE =</td>
<td>-Wl,-rpath,</td>
</tr>
</tbody>
</table>

## Compiler switch to embed a library name

<table>
<thead>
<tr>
<th>Flag</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD_SONAME =</td>
<td>-Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))</td>
</tr>
</tbody>
</table>

## Shared library options

<table>
<thead>
<tr>
<th>Flag</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD_SOOPTIONS=</td>
<td>-Wl,-Bsymbolic</td>
</tr>
</tbody>
</table>

## Shared object suffix

<table>
<thead>
<tr>
<th>Flag</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO = so</td>
<td></td>
</tr>
</tbody>
</table>

## Non-shared intermediate object suffix

<table>
<thead>
<tr>
<th>Flag</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATIC_O = ao</td>
<td></td>
</tr>
</tbody>
</table>

## Compilation rules

<table>
<thead>
<tr>
<th>Rule</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>%.$(STATIC_O): $srcdir)/%.c</td>
<td>$(COMPILE.c $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $&lt;</td>
</tr>
<tr>
<td>%:o: $srcdir)/%.c</td>
<td>$(COMPILE.c $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $&lt;</td>
</tr>
<tr>
<td>%.$(STATIC_O): $srcdir)/%.cpp</td>
<td>$(COMPILE.cc $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $&lt;</td>
</tr>
<tr>
<td>%:o: $(srcdir)/%.cpp</td>
<td>$(COMPILE.cc $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $&lt;</td>
</tr>
</tbody>
</table>

## Dependency rules

<table>
<thead>
<tr>
<th>Rule</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>%.d: $srcdir)/%.c</td>
<td>@echo &quot;generating dependency information for $&lt;&quot;</td>
</tr>
<tr>
<td></td>
<td>@$(SHELL) -ec '$(GEN_DEPS.c) $&lt;</td>
</tr>
<tr>
<td></td>
<td>[ -s $(dir) ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rule</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>%.d: $(srcdir)/%.cpp</td>
<td></td>
</tr>
</tbody>
</table>

---

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@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed "s/\(^\*\)\(/[ \�/\] > $@; \n[ \� $@ ]|| 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

### 1.589 json-c 0.14-r1

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1.590 javassist 3.26.0-GA
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* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/analysis/SubroutineScanner.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/util/HotSwapper.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/Visitor.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/tools/reflect/Compiler.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/SyntheticAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/stackmap/Tracer.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/expr/Instanceof.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/ByteStream.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/URLClassPath.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/Translator.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/NoSuchClassError.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/util/proxy/MethodFilter.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/tools/rmi/Sample.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/Stmt.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/Pair.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/convert/TransformCall.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/CodeAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/ConstPool.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/convert/TransformFieldAccess.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/CodeAnalyzer.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/AssignExpr.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/Variable.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/Symbol.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/BadBytecode.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/MethodInfo.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/EnclosingMethodAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/ClassFileWriter.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/ByteArray.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/MethodInfo.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/EnclosingMethodAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/ClassFileWriter.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/ByteArray.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/runtime/ DotClass.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/tools/rmi/StubGenerator.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/convert/TransformNew.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/convert/TransformBefore.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/AccessFlag.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/ClassClassPath.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/analysis/Util.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/CodeIterator.java
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* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/Annotation.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/CharMemberValue.java
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* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
1.591 metrics 3.1.5

1.592 metrics-json 4.0.5

1.593 libmnl 1.0.4-r1

1.593.1 Available under license:

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

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

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."
REFERENCES

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

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

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


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it’s much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn’t take credit card orders, but Global does.) It’s not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS...
Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

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

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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

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

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

RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a
concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.
# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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Version 3, 29 June 2007

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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
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1.618 curl 7.69.1-r0

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1.619 simpleclient-httpserver 0.0.26

1.620 jetty 9.4.18.v20190429

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.mail.glassfish
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception. https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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 */
/**
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/io/netty/channel/epoll/Epoll.java

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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelInfo.java
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 */
/**
 * Set the `TCP_MD5SIG` option on the socket. See `linux/tcp.h` for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the `TCP_QUICKACK` option on the socket. See `<a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>`
 * for more details.
 */

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3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
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6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
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47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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   *
   */

#ifndef _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)
#endif

#endif

Open Source Used In cnBR 20.3-09142020 6352
#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 */

/* $OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */

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 */

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

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
}
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 *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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 */

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#endif
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int setresuid(uid_t, uid_t, uid_t);
#endif

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```
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Version 2, June 1991

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

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

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1.631 jnr-netdb 1.1.6

1.632 jetty-webapp 9.4.18.v20190429
1.632.1 Available under license :

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Eclipse

The following artifacts are EPL.
  * org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
  * org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
  * org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

  * javax.servlet:javax.servlet-api
  * javax.annotation:javax.annotation-api
  * javax.transaction:javax.transaction-api
  * javax.websocket:javax.websocket-api

-----
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

  * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas
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1.638 kerberos 1.15 1+deb9u1

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lib/libgss/g_utils.c
lib/libgss/gssd_pname_to_uid.c
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<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
<title>MIT Kerberos License information — MIT Kerberos Documentation</title>
<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">

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    VERSION: '1.17',
    COLLAPSE_INDEX: false,
    FILE_SUFIX: '.html',
    HAS_SOURCE: true,
    SOURCELINK_SUFIX: '.txt'
};
</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="index" title="Index" href="genindex.html"/>
<link rel="search" title="Search" href="search.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">
<h1><a href="index.html">MIT Kerberos Documentation</a></h1>
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</div>

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src/lib/gssapi/gssapi_err_generic
src/lib/gssapi/mecg/hglue/g_accept_sec_context
src/lib/gssapi/mecg/hglue/g_acquire_cred
src/lib/gssapi/mecg/hglue/g_canon_name
src/lib/gssapi/mecg/hglue/g_compare_name
src/lib/gssapi/mecg/hglue/g_context_time
src/lib/gssapi/mecg/hglue/g_delete_sec_context
src/lib/gssapi/mecg/hglue/g_dsp_name
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/oid_ops.c
- lib/gssapi/spnegoP/spnego.mech
- lib/gssapi/spnegoP/spnegoMech
- lib/gssapi/spnegoP/spnego_mech.c
- lib/gssapi/spnegoP/spnego_mech.h
- lib/gssapi/spnegoP/spnego_mech.h
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.. 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
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    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
and the initial implementation of incremental propagation, including
the following new or changed files:

.. parsed-literal::

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

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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
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
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
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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

    # Check file license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        if line in lines[ln:]:
            in_comment = True
            code_seen = True
            nonlicense_seen = True
            break
            warn(fname, ln, 'License after code')
            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

    # Check file license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        if line in lines[ln:]:
            in_comment = True
            code_seen = True
            nonlicense_seen = True
            break
# 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('*').lstrip())
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)

1.639 dropwizard-assets 1.3.23
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1.640 netcat-openbsd 1.105-7ubuntu1

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1.641 slf4j-simple 1.7.25

1.642 netty-buffer 4.1.43.Final
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* /opt/ws_local/PERMITS_SQL/1063377540_1592971879.33/0/netty-buffer-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1063377540_1592971879.33/0/netty-buffer-4-1-43-final-sources-1-
  jar/io/netty/buffer/HeapByteBufUtil.java
* /opt/ws_local/PERMITS_SQL/1063377540_1592971879.33/0/netty-buffer-4-1-43-final-sources-1-
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1.643 python 3.6.9-1~18.04ubuntu1.1

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A. HISTORY OF THE SOFTWARE

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

All Python releases are Open Source (see http://www.opensource.org for
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<thead>
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1.645 base-files 10.1ubuntu2.10

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1.646 musl 1.1.19-r11

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1.647 kafka-streams 2.5.0

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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

## 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_SOOP= -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 $@ $<

%.s$(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) $< \n | sed "/s/\($*\).o[ :]*/\1.o $@ : /g" > $@; \n [ -s $@ ] \ || rm -f $@

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

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

1.658 xz 5.2.2 1.2+b1

1.658.1 Available under license :

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1.659 jackson-module-jaxb-annotations 2.9.6

1.660 heimdal 7.5.0+dfsg 1

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rijndael-alg-fst.c

@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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Richard Outerbridge

DES core in libhcrypto

D3DES (V5.09) -

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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation
code: Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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1.662 openssh 8.1_p1-r0

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1.664 binutils 2.27 41.base.el7

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numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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1.666 httpcomponents-client 4.5.10

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1.667 unzip 6.0-20.el7

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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 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).
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*
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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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1.668 tomcat-i18n-es 9.0.35
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Julian Seward, Cambridge, UK.

jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006

1.679 xauth 1.0.10-1

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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.

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1.684 cassandra-driver-core 3.0.1

1.685 lvm2 1.02.158 2.el7

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1.686 libxext 1.3.3 1

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1.687 libxi 1.7.9-1

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1.688 pkgconf 1.7.2-r0

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1.689 jackson-databind 2.9.6

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1.690 hppc 0.5.4

1.691 mpfr 4.0.2-r4

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__: 10 MB, 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
Disk label type: dos
Disk identifier: 0x00000001

    Device  Boot  Start  End    Blocks   Id  System
--------------
    ada64ace122978d00d1d1c0e5ee45d26 bsd.img

Create 1st primary partition

---layout---------
__ts_dev__: 10 MB, 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
Disk label type: dos
Disk identifier: 0x00000001

    Device  Boot  Start  End    Blocks   Id  System
__ts_dev__1  2048  4095  1024   83 Linux
--------------

Create 2st primary partition
1behf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout---------
__ts_dev__: 10 MB, 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
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
__ts_dev__2 4096 20479 8192 a5 FreeBSD

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

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

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

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
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):

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

BSD disklabel command (m for help):
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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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HISTORY -

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

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

Some other contributors:

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

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

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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
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b) Use a suitable shared library mechanism for linking with the
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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.

@iftex
@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end iftex
@ifinfo
@center GNU LESSER GENERAL PUBLIC LICENSE
@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end ifinfo

@enumerate 0
@item
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.

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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.

@item
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:

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

@item 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.

@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.
@end enumerate

@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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DAMAGES.
@end enumerate

@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@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}

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

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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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[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

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

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

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

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

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

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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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
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1.702 jaxb-runtime 2.3.0

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

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
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Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Theodore Ts'o
23-June-2007

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      in the event an application does not supply such function or
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      its purpose remains meaningful.

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      a purpose that is entirely well-defined independent of the
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It is part of the main e2fsprogs distribution, which can be found at:

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

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

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

From the original distribution:

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

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)
```bash
$(BSD_LIB): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
install-strip: install
install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall:: $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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```
1.715 openjdk 8u252-b09-1~18.04
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jopt-simple v5.0.4

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1.717 pam 1.1.8 3.6ubuntu2

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DAMAGE.
------------------------------------------------------------------------Patch for Ubuntu bug #399071
Display the contents of /etc/legal as part of the MOTD, the first time the
user logs in, and set a flag in the user's homedir if possible to prevent
repeat displays.
Authors: Dustin Kirkland <kirkland@canonical.com>
Upstream status: Ubuntu-specific, maybe submit to Debian
Index: pam.ubuntu/modules/pam_motd/pam_motd.c
===================================================================
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}
+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+
PAM_MODUTIL_DEF_PRIVS(privs);
+

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/* Get the password entry */
pwd = pam_modutil_getpwnam (pamh, user);
if (pwd != NULL)
{
    if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
        pam_syslog(pamh, LOG_ERR,
                    "Unable to change UID to %d temporarily\n",
                    pwd->pw_uid);
        retval = PAM_SESSION_ERR;
        goto finished;
    }

    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
        goto finished;
    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
        goto finished;

    if (stat(flag, &s) != 0)
    {
        display_file(pamh, "/etc/legal");
        mkdir(dir, 0700);
        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
        if (f>=0) close(f);
    }
}

finished:
    if (pam_modutil_regain_priv(pamh, &privs)) {
        pam_syslog(pamh, LOG_ERR,
                    "Unable to change UID back to %d\n", privs.old_uid);
        retval = PAM_SESSION_ERR;
    }

    _pam_drop(flag);
    _pam_drop(dir);
}

return retval;

PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
                        int argc, const char **argv)
{
    /* Display the updated motd */
    display_file(pamh, motd_path);

    /* Display the legal disclaimer only if necessary */

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+    retval = display_legal(pamh);
+    return retval;
}

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1.718 jul-to-slf4j 1.7.26

1.719 ethtool 5.3-r0

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Version 2, June 1991

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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Alexandre Vassalotti <alexandre@peadrop.com>
  * 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@worbase.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)

1.730 pcsc-lite 1.8.8 8.el7
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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

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

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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@example

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@example

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* /opt/ws_local/PERMITS_SQL/1063377411_1592971901.67/0/netty-codec-http-4-1-43-final-sources-1-
jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1063377411_1592971901.67/0/netty-codec-http-4-1-43-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspDecoder.java
* /opt/ws_local/PERMITS_SQL/1063377411_1592971901.67/0/netty-codec-http-4-1-43-final-sources-1-
jar/io/netty/handler/codec/http/cookie/package-info.java
* /opt/ws_local/PERMITS_SQL/1063377411_1592971901.67/0/netty-codec-http-4-1-43-final-sources-1-
jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
* /opt/ws_local/PERMITS_SQL/1063377411_1592971901.67/0/netty-codec-http-4-1-43-final-sources-1-
jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
* /opt/ws_local/PERMITS_SQL/1063377411_1592971901.67/0/netty-codec-http-4-1-43-final-sources-1-
1.735 eclipse-core-expressions 3.4.300

1.736 ecj 4.4.2

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1.737 util-linux 2.31.1-0.4ubuntu3.6

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1.738 pycrypto 2.6.1-8ubuntu2
1.738.1 Available under license :

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PyCrypto Code Submission Requirements - Rev. C

Last updated: 2009-02-28

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=== EOF ===

1.739 jline 2.14.6
1.740 erlang-otp 19.0

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[PCRE]

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

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

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

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 */

[zlib]

/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.3, July 18th, 2005

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

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

/*

---------------------------------------------------------------------------
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THE BASIC LIBRARY FUNCTIONS
-------------------------------

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@end enumerate

@end example

@end example

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DRuntime: Runtime Library for the D Programming Language
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.749 ST4 4.0.8

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1.752 libtls-standalone 2.9.1-r0

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1.753 logback-core 1.2.3

1.754 bouncycastle-fips 1.60

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Carlos Lozano &lt;carlos@#064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for
supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
<li>Javier Delgadillo &lt;javi@#064javicodewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hahkala &lt;joni.hahkala@#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, ifetAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org"&gt;EGEE project&lt;/a&gt; for making the work available.</li>
<li>Rolf Schillinger &lt;rolf@#064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.</li>
<li>Sergey Bahtin &lt;Sergey.Bahtin@#064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OBF mode (GOFB) and GOST-3411.</li>
<li>Franck Leroy &lt;Franck.Leroy@#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
<li>Atsuhiiko Yamanaka &lt;ymnkk@#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov &lt;tyrex@#064rekoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Joni Hahkala &lt;joni.hahkala@#064cern.ch&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Rolf Schillinger &lt;rolf@#064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.</li>
<li>Sergey Bahtin &lt;Sergey.Bahtin@#064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OBF mode (GOFB) and GOST-3411.</li>
<li>Franck Leroy &lt;Franck.Leroy@#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
<li>Atsuhiiko Yamanaka &lt;ymnkk@#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov &lt;tyrex@#064rekoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Soren Hilmer &lt;soren.hilmer@#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
<li>Steve Mitchell &lt;mitchell@#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.</li>

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eisner &lt;D.Eisner@#064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;JulienPasquier@#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso@#064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson@#064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov@#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan &lt;adlocflo@#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev &lt;paulvas@#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom@#064nux.net&gt; - addition of DES-ede encryption for RSAprivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;Lukasz.kowalczyk@#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@#064crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;t2cung@#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz@#064gmail.com&gt; - fix for InputStream constructor for X509V2Certificate.</li>
David M. Lee &lt;dmlee@Crossroads.com&gt; - implementation assistance with streaming CMS classes.

Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.

Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.

Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.

Remi Blancher &lt;Remi.Blancher@keyNECTIS.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.

Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.

Andreas Schwier &lt;andreas.schwie@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.

David Josse &lt;david.josse@064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.

Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

Lawrence Tan &lt;lwrnctan@064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.

Carlos Valiente &lt;superdupont@064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.


Olaf Keller, &lt;olaf.keller.bc@064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

J&ouml;rg Eichhorn &lt;eichhorn@064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme &lt;widerstand@064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz &lt;carlos@064tradise.com&gt; - patch for &lt;ctl&gt;&lt;cr&gt;&lt;lt;m&gt; only handling in CRLFOutputStream.

John Alfred Prufrock &lt;j.a.prufrock@064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;neusatz@064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

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<li>Georg Lippold &lt;georg.lippold@gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles@064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen &lt;Pasi.Eronen@064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Maria Ivanova &lt;maria.ivanova@064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin Häußler &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder@064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vourch &lt;xavier@064brittanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@064cde.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;teikomusha@064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;rojaquim@064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey@064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g@064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
<li>Olga Kaethler &lt;olga.kaethler@064hp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo@064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>Nuria Mar &lt;nria@064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Janis Schuller &lt;js@064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;Mike@064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff@064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier &lt;julienpasquier@064freenet.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.
Jakub Gwozdz &lt;gwozdziu@064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski &lt;bmalkow@064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi@064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi &lt;massimiliano.ziccardi@064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.

Andrey Pavlenko &lt;andrey.a.pavlenko@064gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn@jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz@064yahoo.com&gt; - patch to construtor for CRMF CertSequence.

Gabriele Contini &lt;gcontini@064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude@064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck@064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [#BJA-93].

Alex Dupre &lt;ale@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].

Michaal Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

Ivan Larrañaga &lt;ilarra@064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.

Bob Kerns &lt;bob.kerns@positscience.com&gt; - fix for hashCode for X509CertificateObject.

Stefan Meyer &lt;stefan.meyer@064ew.e.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.

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Torbjorn Svensson &lt;tobbe79@064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick &lt;bouncycastle_pfitz@064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

Henrik Andersson &lt;k.henrik.andersson@064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.

Cagdas Cirit &lt;cagdascirit@064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.

Harakiri &lt;harakiri_23@064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.

Pedro Henrique &lt;pmahenriques@064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

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Richard Farr &lt;rfarr.se@064gmail.com&gt; - initial SRP-6a implementation.

Thomas Castiglione &lt;castiglione@064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.

Elisabetta Romani &lt;eromani@064sogei.it&gt; - patch for recognising multiple counter signatures.
Robin Lundgren (&lt;r737lundgren@064gmail.com&gt;); CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec (&lt;mormegil@064centrum.cz&gt;); fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener (&lt;antener_a@064gmx.ch&gt;); fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat (&lt;hsrawat@064yahoo.com&gt;); fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann (&lt;lindemann@064trustcenter.de&gt;); patch for PKCS12 key store to support more flexible attribute specifications [BMA-42].</li>
<li>Alex Artamonov (&lt;alexart.home@064gmail.com&gt;); name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons (&lt;mlyons@064layer7tech.com&gt;); work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole (&lt;chris_h_cole@064yahoo.com&gt;); identified a problem handling null passwords when loading a BKS key store.</li>
<li>Robin Lundgren (&lt;r737lundgren@064gmail.com&gt;); CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Tomas Krivanek (&lt;tom@064atack.cz&gt;); added checking of Sender header to SignedMailValidator.</li>
<li>Michael (&lt;emfau@064t-online.de&gt;); correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin (&lt;trevor@064cryptography.com&gt;); addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilärsjö (&lt;markus@064primekey.se&gt;); several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic (&lt;darionis@064yahoo.com&gt;); fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith (&lt;msmith@064cbnc0.com&gt;); bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio (&lt;andrea.zilio@064gmail.com&gt;); fix for PEM password encryption of private keys.</li>
<li>Alex Birkett (&lt;alex@064birkett.co.uk&gt;); added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant (&lt;waynedgrant@064gmail.com&gt;); additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis (&lt;info@064frankcornelis.be&gt;); additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner (&lt;jan@064dittberner.info&gt;); addHeader patch for SMIME generator.</li>
<li>Bob McGowan (&lt;boab.mcgoo@064tinternet.com&gt;); patch to support different object and mgf digests in PSS signing.</li>
<li>Ivo Matheis (&lt;i.matheis@064seeburger.de&gt;); fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini (&lt;nessche@064gmail.com&gt;); patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf (&lt;alfilmalf@064hotmail.com&gt;); removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa (&lt;alfonso.massa@064insiel.it&gt;); contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo (&lt;gboccardo@064unimaticaspa.it&gt;); initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu (&lt;arnis@064ut.ee&gt;); patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociski (&lt;J.Sikocinski@064gdzie.pl&gt;); addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev (&lt;jhudolejev@064gmail.com&gt;); JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten (&lt;liane.velten@064hp-consulting.com&gt;); fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden (&lt;swillden@064google.com&gt;); additional functionality to PGPKeyRing.
<li>Atanas Krachev &lt;akrachev#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking &lt;mickael.laiking#064keynectis.com&gt; initial cut of EAC classes.</li>
<li>Tim Buktu &lt;tbuktu#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;bernd#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak &lt;stein.inge.morisbak#064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid#064tngetech.com&gt; Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil.steitz#064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Petar Petrov &lt;p.petrov#064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick &lt;daniel.f.nwr#064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson &lt;Andy.Neilson#064quest.com&gt; a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw &lt;xiao.xj#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth &lt;Eleriseth#064WPECGLTylbV18Rlf6YVz12Lv2DUW9v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;pilf_b#064yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bc#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid&eacute;n Borell &lt;samuel#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>
<li>Sergio Demian Lerner &lt;sergiolerner#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threetfish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad &lt;marcus.lundblad#064primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for timestamp token generation.</li>
<li>Andrey Zhozhin &lt;zhozhin#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;t5555d#064gmail.com&gt; initial cut of DVCS classes. </li>
- Damian Kolasa &lt;fatfredyy@gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.
- Ash Hughes &lt;ashley.hughes@blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().
- Daniel Hirscher &lt;dev@064-daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.
- Daniele Ricci &lt;daniele.athome@gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.
- Matti Aarnio &lt;matti.aarnio@064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, Java improvements for ASN.1 classes, addition of NONEnullRSA to lightweight RSADigestSigner.
- Babak Najafi &lt;bnajafi@064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.
- Eric M&amp;uuml;ller &lt;eric.mueller@064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.
- Mathias Herberts &lt;Mathias.Herberts@gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.
- Daniil Ivanov &lt;daniil.ivanov@gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.
- Daniele Grasso &lt;daniele.grasso86@gmail.com&gt; contributions to final Key calculation code for SRP6.
- Andrey Utkin &lt;cindrhc@gmail.com&gt; patch to reconstruction of EC_GOST keys from PrivateKeyInfo objects in provider classes.
- Arnis Tartu &lt;arnis@064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.
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- Roberto Tyley &lt;gt;&gt; further work on completing gradle build.
- Waldemar Dick &lt;wdick@064devmue.de&gt; code improvement in x500 ASN.1 package.
- Sid Steward &lt;sid.steward@064pdflabs.com&gt; code improvements to ASN1Boolean.
- Alex Klyubin &lt;klyubin@064google.com&gt; AlgorithmParameters check for EC key agreement.
- Jonathan Gillett &lt;gsoc.student@gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.
- Andreas Reiter &lt;andreas.reiter@064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.
- Kieran Miller &lt;kieran.miller@064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.
- Oliver Ehli&lt;ehli@064arago.de&gt; Additional support for BSI plain ECDSA in the provider.
- Daniel Heldt&lt;Daniel.Heldt@cryptovision.com&gt; Initial support for encodable state message digests.
- Robert Bushman &lt;bouncycastle@064traxel.com&gt; Clean up of DirectKeySignature example.
- Maurice Aarts&lt;maart@064risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.
- Franziskus Kiefer&lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.
- KB Sriram&lt;mail_kb@yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.
- Marco Schulze&lt;marco@064nightlabs.de&gt; Reported verification bug in GenericSigner.
- Martin Schaefer&lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.
- dstutz&lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.
- Tobias Wich&lt;tobias.wich@064ecsec.de&gt; Provided patch for TLS to work around servers sending
Supported Elliptic Curves extension unexpectedly. 

- Hauke Mehrtens &lt;hauke@064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.
- Daniel Zimmerman &lt;dmz@064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.
- Jens Kapitza &lt;jt.kapitza@064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.
- Johan Eklund &lt;johan@064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.
- nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.
- Axel von dem Bruch &lt;axel-vdb@064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.
- Hauke Mehrtens &lt;hauke@064galois.com&gt; TLS patch to add ECDHE_ECDSA_CCM ciphersuites from RFC 7251.
- Daniel Zimmerman &lt;dmz@064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.
- Jens Kapitza &lt;jt.kapitza@064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.
- Johan Eklund &lt;johan@064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.
- nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.
- Axel von dem Bruch &lt;axel-vdb@064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.
- Derek Atkins &lt;derek@064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.
- Peter Jr Halicky &lt;peto@064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.
- Thomas Belot &lt;thomas.belot+BC@064gmail.com&gt; Initial CertPathLoopTest for demonstrating stack overflow issue.
- Rich DiCroce &lt;https://github.com/dicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.
- Bjourn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).
- Dominik Schumann &lt;https://github.com/dschuermann&gt; Method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.
- Michael &lt;MSKnete@064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.
- Tobias Wagner &lt;https://github.com/tobias.wagner@064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [BJA-536].
- Sergio Giro &lt;https://github.com/064google.com&gt; Fixed adding of additional stores from CRL distribution point [BJA-537], Fixed missing null check for CRL certificate issuer [BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBKEkeys that require it.
- bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.
- Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.
- Jan Willem Janssen &lt;https://github.com/j.w.janssen@bouncycastle@0644xtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.
- Sebastian Oering &lt;sebastian.oering@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.
- Kai Kramer &lt;kai.kramer@064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.
- Benoit Charles &lt;benoit.charles@064opentrust.com&gt; Fix for IES data length check on decryption.
- Niko &lt;https://github.com/nikosn&gt; Fix to cast issue in getOutputSize() for ECIES.
- akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.
- Matthias Edelhoff &lt;https://github.com/Matthias.Edelhoff@064cryptoansion.com&gt; BasicConstraintsValidation pathlen fix in PKIX certhpath classes.
- Lukasz Deputat &lt;lukasz.deputat@064gmail.com&gt; Fixed bugs in TlsUtils read methods [BJA-592].
Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGPOBJECTFACTORY to handle stream packets at start of iterated data.

André Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.

Slawomir Jaranowski &lt;https://github.com/slawekjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.

Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.

William Glanton &lt;wglanton77@064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].

Joseph Naegle &lt;jnaegle@064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.


The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.

Gorka Irazoqui &lt;girazoki@064wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch@veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.

Alexandr Krivoshta &lt;wipe@ya.ru&gt; N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storojis72@064gmail.com&gt; N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu@064samsung.com&gt; Constructor patches to CMC PKIData.

Evangelos Karatiolios &lt;ekaratiolios@064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.

mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.

didaksoft &lt;https://github.com/didaksoft&gt; test code for PGP signature removal involving user ids.

Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storojis72@064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glaser@064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.

codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.

FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.

4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.

ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.

jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.
Scott Woodward &lt;scott@064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.

chris mccown &lt;0xchrismccown@#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.

Andreas Kreutschner &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().

Armin Lunkeit, Michael Tautenhahn &amp;gt; identification of M-R test issue on higher certainty values in RSA key pair generation.

Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.

Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().

Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.

Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.

Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.

Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.

catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).

gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.

fgrieu &lt;fgrieu@#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.

MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.

Andreas Gadermaier &lt;up.gadermaier@#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.

Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.

Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.


Aurimas Lutiukas &lt;https://github.com/lujukas&gt; JavaDoc patches to ReasonsMask.

Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.

sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.

Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.

Gillis95 &lt;https://github.com/Gillis95&gt; improved JSSE compatibility for setEnabledCipherSuites.


Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIIESEngine.

Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.

Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmere@064truesec.se&gt; Additional improvements to constant time comparisons.

Ren&eacute; Korthaus &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to
bring them in line with RFC 8391.</li>
<li>THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson &lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>
<li>gaellalire &lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.</li>
<li>Nick hitchan &lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
<li>dbusche &lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
<li>Daniel Heldt &lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
<li>Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2withHmacSM3 to the provider.</li>
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>
<li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;https://github.com/tobias#064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>
</ul>
1.755 go 1.12.9

1.755.1 Available under license:

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# (and typically have contributed) code to the Go repository.
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1.761 ncurses 6.1 1ubuntu1.18.04

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

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

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<td>PSF</td>
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* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/EnclosingMethodAttribute.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/ast/BinExpr.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/ast/Expr.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/SyntaxError.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/convert/TransformAccessArrayField.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/convert/Transformer.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/convert/TransformWriteField.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/expr/ExprEditor.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/tools/web/Webserver.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/tools/rmi/Sample.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/bytecode/BadBytecode.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/expr/Handler.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/ast/NewExpr.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/convert/TransformNew.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/bytecode/StackMapTable.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/CtMember.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/tools/web/BadHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/bytecode/DeprecatedAttribute.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/KeywordTable.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/tools/rmi/RemoteException.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/bytecode/ByteStream.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/tools/reflect/Compiler.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/CtClassType.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/bytecode/analysis/Analyzer.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/expr/FieldAccess.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/bytecode/CodeAttribute.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/tools/rmi/AppletServer.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/compiler/JvstCodeGen.java
* /opt/ws_local/PERMITS_SQL/1024750286_1594244387.33/0/javassist-3-24-0-ga-sources-jar/javassist/tools/reflect/CannotReflectException.java
1.772 cpp 8.3.0-6ubuntu1~18.04.1
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1.775 antlr 3.5.2

1.776 libxml 2.9.4+dfsg1 2.2+deb9u2

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1.778 systemd-shim 10
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1.782 json-c 0.12.1-1.3ubuntu0.2

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1.792 httpcomponents-client 4.5.6

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1.793 python-click 6.6-1

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DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjgpcm, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log  Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.doc  How to use the JPEG library in your own programs.
example.c   Sample code for calling the JPEG library.
structure.doc  Overview of the JPEG library's internal structure.
filelist.doc  Road map of IJG files.
coderules.doc  Coding style rules --- please read if you contribute code.

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

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

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or
colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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

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

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

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


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212)
642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI
doesn't take credit card orders, but Global does.) It's not cheap: as of
1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7%
shipping/handling. The standard is divided into two parts, Part 1 being the
actual specification, while Part 2 covers compliance testing methods. Part 1
is titled "Digital Compression and Coding of Continuous-tone Still Images,
Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS
10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of
Continuous-tone Still Images, Part 2: Compliance testing" and has document

Some extensions to the original JPEG standard are defined in JPEG Part 3,
a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG
currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file
format. For the omitted details we follow the "JFIF" conventions, revision
1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

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

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)
FILE FORMAT WARS
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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file
As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.795 linenoise 1.0

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1.796 man-pages 4.10-2

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

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

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1.804 x-crypto 3.2.17+dfsg-1

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1.805 nghttp2 1.28.0

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set yrange [0:]
set terminal pngcairo font 'sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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1.806 tzdata 2019c-r0

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1.807 py3-idna 2.9-r0

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

---

import io, sys
from setuptools import setup

def main():
    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.4',
        ]
    }

    setup(**arguments)
'Programming Language :: Python :: 3.5',
'Programming Language :: Python :: 3.6',
'Programming Language :: Python :: 3.7',
'Programming Language :: Python :: 3.8',
' Programming Language :: Python :: Implementation :: CPython',
' Programming Language :: Python :: Implementation :: PyPy',
'Topic :: Internet :: Name Service (DNS)',
'Topic :: Software Development :: Libraries :: Python Modules',
'Topic :: Utilities',
],
'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1048323210_1600402643.89/0/idna-2-9-zip/idna-2.9/setup.py
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1048323210_1600402643.89/0/idna-2-9-zip/idna-2.9/PKG-INFO
* /opt/ws_local/PERMITS_SQL/1048323210_1600402643.89/0/idna-2-9-zip/idna-2.9/idna.egg-info/PKG-INFO
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1048322310_1600402643.89/0/idna-2-9-zip/idna-2.9/LICENSE.rst

1.808 bind 9.11.3+dfsg-1ubuntu1.12

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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

<!- $Id$ -->
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
  <xsl:variable name="isc.copyright.text">
    <xsl:text>This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.
</xsl:text>
  </xsl:variable>
  <xsl:variable name="isc.copyright">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text">
        <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
          <xsl:text>Copyright (C) </xsl:text>
          <xsl:call-template name="copyright.years">
            <xsl:with-param name="years" select="year"/>
          </xsl:call-template>
          <xsl:text> </xsl:text>
          <xsl:value-of select="holder"/>
          <xsl:value-of select="$isc.copyright.breakline"/>
          <xsl:text>&#10;</xsl:text>
        </xsl:for-each>
        <xsl:value-of select="$isc.copyright.text"/>
      </xsl:with-param>
    </xsl:call-template>
  </xsl:variable>
</xsl:stylesheet>
- Local variables:
- mode: sgml
- End:

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    *
    */

    #ifndef _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 WCOREFLAG0x80
#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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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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*/

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#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 */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_
#endif
#endif
#undef_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 POLLLHUP 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 POLLWBAND 0x0100
#endif

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

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

1.811 metrics-jvm 4.0.5

1.812 bean-validation-api 1.1.0.Final

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* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/executable/ExecutableValidator.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/executable/ValidateOnExecution.java
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* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/ValidationException.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Past.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Size.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/ConstraintDefinitionException.java

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1.815 golang-snappy 0.0.0-20180814174437-776d5712da21

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1.816 ncurses 6.1_p20180818 r1

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1.819 jackson-module-afterburner 2.9.10

1.819.1 Available under license:

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1.820 snappy-java 1.1.1.7

1.821 hashicorp-serf 0.8.1
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* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)

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1.830 xerces-j 2.12.1

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1075330989_1596109202.23/0/plugin-classloader-7-6-2-sources-jar/org/elasticsearch/plugins/ExtendedPluginsClassLoader.java

1.832 libxtst 1.2.3-1.el7

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**1.835 nginx-module-xslt 1.17.10-r1**

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1.845 pylizma 0.5.3-11.el7

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### 1.847 py3-requests 2.23.0-r0

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1.849 slf4j-log4j 1.7.30

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

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

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b) Accompany the work with a written offer, valid for at
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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

http://sourceforge.net/projects/e2fsprogs

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

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On Debian systems, the complete text of the GNU Lesser (Library) General Public License can be found in /usr/share/common-licenses/LGPL-2. This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

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

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

install-shlibs-strip:: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$ (BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Tso <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.
Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Index: tdbsa/tdb.c
=================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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This package was put together by Yann Dirson <dirson@debian.org>,
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This is the Debian GNU/Linux prepackaged version of the translation
files of the EXT2 file system utilities.  The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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1.872 curl 7.67.0-r0

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1.873 openssl 1.1.0l-1~deb9u1
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1.876 attr 2.4.46 13.el7

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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) <yy> <name of author>

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

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

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

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

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

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

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

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

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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<signature of Ty Coon>, 1 April 1990
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silver
grey
lime
yellow
blue
fuchsia
aqua
white
grey0
navyblue
darkblue
blue3
blue3a
blue1
darkgreen
deepskyblue4
deepskyblue4a
deepskyblue4b
dodgerblue3
dodgerblue2
green4
springgreen4
turquoise4
deepskyblue3
deepskyblue3a
dodgerblue1
green3
springgreen3
darkcyan
lightseagreen
deepskyblue2
deepskyblue1
green3a
springgreen3a
springgreen2
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mediumpurple1
gold3
darkkhaki
navajowhite3
grey69
lightsteelblue3
lightsteelblue
yellow3
darkolivegreen3b
darkseagreen3a
darkseagreen2
lightcyan3
lightskyblue1
greenyellow
darkolivegreen2
palegreen1a
darkseagreen2a
darkseagreen1
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red3a
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deeppink3a
magenta3a
magenta3b
magenta2
darkorange3a
indianreda
hotpink3a
hotpink2
orchid
mediumorchid1
orange3
lightsalmon3a
lightpink3
pink3
plum3
violet
gold3a
lightgoldenrod3
tan
mistyrose3
thistle3
plum2
yellow3a
khaki3
lightgoldenrod2
buffer_capacity, bufsz, Ya
buttons, btns, BT
dot_horz_spacing, spinh, Yc
dot_vert_spacing, spinv, Yb
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micro_col_size, mcs, Yf
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number_of_pins, npins, Yh
output_res_char, orc, Yi
output_res_horz_inch, orhi, Yk
output_res_line, orl, Yj
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print_rate, cps, Ym
wide_char_size, widcs, Yn
acs_chars, acsc, ac
back_tab, cht, bt
bell, bel, b1
carriage_return, cr, cr
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change_res_horz, chr, ZC
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change_scroll_region, csr, CS
char_padding, rmp, rP
clear_all_tabs, tbc, ct
clear_margins, mgc, MC
clear_screen, clear, cl
clr_bol, el1, cb
clr_eol, el, ce
clr_eos, ed, cd
column_address, hpa, ch
command_character, cmdch, CC
create_window, cwin, CW
cursor_address, cup, cm
cursor_down, cud1, do
cursor_home, home, ho
cursor_invisible, civis, vi
cursor_left, cub1, le
cursor_mem_address, mrcup, CM
cursor_normal, cnorm, ve
cursor_right, cuf1, nd
cursor_to_ll, ll, ll
cursor_up, cuu1, up
cursor_visible, cvvis, vs
define_char, defc, ZE
delete_character, dch1, dc
delete_line, dl1, dl
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dis_status_line, dsl, ds
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enter_alt_charset_mode, smacs, as
enter_am_mode, smam, SA
enter_blink_mode, blink, mb
enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
enter_delete_mode, smdc, dm
enter_dim_mode, dim, mh
enter_doublewide_mode, swidm, ZF
enter_draft_quality, sdrfq, ZG
enter_insert_mode, smir, im
enter_italics_mode, sitm, ZH
enter_leftward_mode, slm, ZI
enter_micro_mode, smicm, ZJ
enter_near_letter_quality, snlq, ZK
enter_normal_quality, snrmq, ZL
enter_protected_mode, prot, mp
enter_reverse_mode, rev, mr
enter_secure_mode, invis, mk
enter_shadow_mode, sshm, ZM
enter_standout_mode, smso, so
enter_subscript_mode, ssubm, ZN
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enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
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erase_chars, ech, ec
exit_alt_charset_mode, rmacs, ae
exit_am_mode, rmam, RA
exit_attribute_mode, sgr0, me
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exit_delete_mode, rmdc, ed
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exit_micro_mode, rmicm, ZT
exit_shadow_mode, rshm, ZU
exit_standout_mode, rmso, se
exit_subscript_mode, rsubm, ZV
exit_superscript_mode, rsupm, ZW
exit_underline_mode, rmul, ue
exit_upward_mode, rum, ZX
exit_xon_mode, rmxon, RX
fixed_pause, pause, PA
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from_status_line, fsl, fs
goto_window, wingo, WG
hangup, hup, HU
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init_2string, is2, is
init_3string, is3, i3
init_file, if, if
init_prog, iprog, iP
initialize_color, initc, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
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key_b2, kb2, K2
key_backspace, kbs, kb
key_beg, kbeg, @1
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key_clear, kclr, kC
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key_f51, kf51, Ff
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key_f63, kf63, Fr
key_f7, kf7, k7
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key_help, khlp, %1
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key_ic, kich1, kI
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key_ll, kll, kH
key_mark, kmrk, %2
key_message, kmsg, %3
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key_previous, kprv, %8
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key_redo, krd0, %0
key_reference, kref, &1
key_refresh, krfr, &2
key_replace, krpl, &3
key_restart, krst, &4
key_resume, kres, &5
key_right, kcuf1, kr
key_save, ksav, &6
key_sbeg, kBEG, &9
key_scancel, kCAN, &0
key_scommand, kCMD, *1
key_scopy, kCPY, *2
key_screate, kCRT, *3
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key_select, kslt, *6
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key_sr, kri, kR
key_sredo, kRDO, %g
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key_sright, kRIT, %i
key_srsumE, kRES, %j
key_ssave, kSAV, !1
key_ssuspend, kSPD, !2
key_stab, khts, kT
key_sundo, kUND, !3
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key_up, kcuu1, ku
keypad_local, rmkx, ke
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lab_f0, lf0, l0
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lab_f10, lf10, la
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micro_left, mcub1, Za
micro_right, mcuf1, Zb
micro_row_address, mvpa, Zc
micro_up, mcuu1, Zd
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orig_colors, oc, oc
orig_pair, op, op
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parm_dch, dch, DC
parm_delete_line, dl, DL
parm_down_cursor, cud, DO
parm_down_micro, mcud, Zf
parm_ich, ich, IC
parm_index, indn, SF
parm_insert_line, il, AL
parm_left_cursor, cub, LE
parm_left_micro, mcub, Zg
parm_right_cursor, cuf, RI
parm_right_micro, mcuf, Zh
parm_rindex, rin, SR
parm_up_cursor, cuu, UP
parm_up_micro, mcuu, Zi
pkey_key, pfkey, pk
pkey_local, pfloc, pl
pkey_xmit, pfx, px
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prtr_off, mc4, pf
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quick_dial, qdial, QD
remove_clock, rmclk, RC
repeat_char, rep, rp
req_for_input, rfi, RF
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reset_2string, rs2, r2
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scroll_forward, ind, sf
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set_attributes, sgr, sa
set_background, setb, Sb
set_bottom_margin, smgb, Zk
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set_clock, selk, SC
set_color_pair, scp, sp
set_foreground, setf, Sf
set_left_margin, smgl, ML
set_left_margin_parm, smglp, Zm
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set_right_margin_parm, smgrp, Zn
set_tab, hts, st
set_top_margin, smgt, Zo
set_top_margin_parm, smgtp, Zp
set_window, wind, wi
start_bit_image, sbim, Zq
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set2_des_seq, s2ds, s2
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set_a_foreground, setaf, AF
set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
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enter_low_hl_mode, elohlm, Xo
enter_right_hl_mode, erhlm, Xr
enter_top_hl_mode, ethlm, Xt
enter_vertical_hl_mode, evhlm, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

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/* CMU libsasl
 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */

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@end example

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Version 3, 29 June 2007

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    */
    package com.sun.jna.win32;
    import com.sun.jna.AltCallingConvention;
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public interface StdCall extends AltCallingConvention {}

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HAPROXY's license - 2006/06/15

Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

The solution was then to apply the LGPL license to the exportable include files, while keeping the GPL for all the rest. This way, it still is mandatory to redistribute modified code under customer request, but at the same time, it is expressly permitted to write, compile, link and load non-GPL code using the LGPL header files and not to distribute them if it causes a legal problem.

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1.901 e2fsprogs 1.42.9 16.el7

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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

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

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

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

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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Theodore Ts'o  
23-June-2007

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Gadi Oxman, August 1995

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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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Index: tdba/tdb.c
```
--- tdba.orig/tdb.c
+++ tdba/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- *
- Copyright (C) Andrew Tridgell 2005
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```
** NOTE! The following LGPL license applies to the tdb
** library. This does NOT imply that all of Samba is released
This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

http://sourceforge.net/projects/e2fsprogs

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

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Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

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

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1.902 py3-meld3 2.0.0-r1

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Contributors

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- Chris McDonough, 2005-12-18

- Tres Seaver, 2006-02-09

- Jorge Puente Sarrn, 2012-11-27

1.903 error_prone_annotations 2.0.18

1.904 apache-log4j 2.12.1

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It was downloaded from http://labix.org/python-dateutil

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

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

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

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To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.
For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

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

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

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

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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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It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

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

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

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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.>  
Copyright (C) <year>  <name of author>  

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

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You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
Also add information on how to contact you by electronic and paper mail.

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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@c Set file name and title for man page.
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@settitle GNU General Public License
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@heading Preamble

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The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
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applies also to any other work released this way by its authors. You
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When we speak of free software, we are referring to freedom, not
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have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you
have certain responsibilities if you distribute copies of the
software, or if you modify it: responsibilities to respect the freedom
of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too,
receive or can get the source code. And you must show them these
terms so they know their rights.

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.

@heading TERMS AND CONDITIONS

@enumerate 0
@item 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 License. Each licensee is addressed as ``you''. ``Licensees'' and ``recipients'' may be individuals or organizations.

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.

@item 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.
@item Basic Permissions.

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You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

@item Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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@item Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any
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.

@item 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:

@enumerate
@item The work must carry prominent notices stating that you modified it, and giving a relevant date.
@item 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”.
@item 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.
@item 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.
@end enumerate
in an aggregate does not cause this License to apply to the other parts of the aggregate.

@item 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:

@enumerate
@item 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.

@item 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.

@item 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.

@item Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to
satisfy these requirements.

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

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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---

1.917 selinux 2.7-2build2

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Manoj Srivastava <srivasta@debian.org>
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1.929 go-codec 1.1.7

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `{(case (a, b) => ... )
val x: ((Int, Int) => Int) = (((a, b)) => a)
^}

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `{(case (param1, param2) => ... )
val y: ((Int, Int, Int) => Int) = (((a, !)) => a)
^
not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,

or consider a pattern matching anonymous function:
```scala
  case (param1, ..., param3) => ...
```

val z: ((Int, Int, Int) => Int) = ((a, NotAPatternVariableName, c)) => a

^  

three errors found

Scala includes the JLine library, which includes the Jansi library.

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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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1.948 curl 7.61.1 r3

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

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1.950 pkg-config 0.27.1 4.el7
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in
a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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

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

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must be distributed under the terms of Sections 1 and 2 above on a
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If distribution of object code is made by offering access to copy
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therefore falls outside the scope of this License.

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creates an executable that is a derivative of the Library (because it
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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
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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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  * javax.servlet:javax.servlet-api
  * javax.annotation:javax.annotation-api
  * javax.transaction:javax.transaction-api
  * javax.websocket:javax.websocket-api

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Oracle OpenJDK

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  * java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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1.978 geo-ip 1.6.12-r1

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  analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

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

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

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

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

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

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

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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1.1001 core-module 1.1.3

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1.1003 asm-analysis 7.2

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1.1004 p11-kit 0.23.20-r5

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1.1005 speakeasy 0.1.0

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1.1006 fdisk 2.23.2
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df0550676c18f2cf9 bsd.img

---layout--------
___ts_dev___: 10 MB, 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
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-------
___ts_dev___: 10 MB, 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
Disk label type: dos
Disk identifier: 0x00000001

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<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ts_dev___1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

-------------------
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dffb51a88a045db233418dd73fbe bsd.img

---layout-------
___ts_dev___: 10 MB, 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
Disk label type: dos
Disk identifier: 0x00000001

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<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>___ts_dev___2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

-------------------
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout-------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#     start   end    size    fstype   [fsize bsize   cpg]
c:  4096   20479   16384  unused       0     0
  d:  0     16064   16065  unused       0     0

BSD disklabel command (m for help):
Command (m for help):
-----------
b5c121c2091b2ff26b880551feac7112 bsd.img

---layout---------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#     start   end    size    fstype   [fsize bsize   cpg]
a:  4096    6144   2049    4.2BSD        0     0     0
c:  4096   20479   16384  unused       0     0
  d:  0     16064   16065  unused       0     0

BSD disklabel command (m for help):
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):

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
BSD disklabel command (m for help):

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*/

---

#1:         32       7648  0x83
#2:       7680       8704  0xa5
#5:       7936       4864  0x7 (freebsd)
#6:      12544       3584  0x7 (freebsd)

1.1007 cobra 3.2.17+dfsg-1
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    package cmd

    func initAgpl() {
    Licenses["agpl"] = License{
        Name:      "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
        Header: '```
```
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package cmd

func initGpl3() {
    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: `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
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        (at your option) any later version.

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Verison 3, 29 June 2007

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package cmd

import (
    "strings"
    "time"

    "github.com/spf13/viper"
)

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the header to be used with each file on the file's creating, and the text
// of the license

type License struct {
    Name            string   // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text            string   // License text data
    Header          string   // License header for source files
}

func init() {
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

    initApache2()
    initMit()
    initBsdClause3()
    initBsdClause2()
    initGpl2()
    initGpl3()
    initLgpl()
    initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.

//
// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }

    // If user wants to have custom license, use that.
    if viper.IsSet("license.header") || viper.IsSet("license.text") {
        return License{Header: viper.GetString("license.header"),
                       Text: viper.GetString("license.text")}
    }

    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }

    // If user didn't set any license, use Apache 2.0 by default.
    return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")

    year := viper.GetString("year") // For tests.
    if year == "" {
        year = time.Now().Format("2006")
    }

    return "Copyright  + year + " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
    found := matchLicense(name)
    if found == "" {
        err("unknown license: " + name)
    }
    return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
func matchLicense(name string) string {
    if name == "" {
        return ""
    }

    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }

    return ""
}

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package cmd

func initGpl2() {
    Licenses["gpl2"] = License{
        Name: "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or
modify it under the terms of the GNU General Public License
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package cmd

func initBsdClause3() {

  Licenses["bsd"] = License{
    Name: "NewBSD",
    PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
    Header: `All rights reserved.

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package cmd

func initBsdClause2() {
    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
            "2 clause bsd", "simplified bsd license"},
        Header: `All rights reserved.
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```
package cmd

func initLgpl() {
    Licenses["lgpl"] = License{
        Name:        "GNU Lesser General Public License",
        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
        Header: `This program is free software: you can redistribute it and/or modify
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func initMit() {
    Licenses["mit"] = License{
        Name: "MIT License",
        PossibleMatches: []string{"mit"},
        Header: `Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
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package cmd

func initApache2() {
    Licenses["apache"] = License{
        Name:        "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `Licensed under the Apache License, Version 2.0 (the "License");
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- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

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

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

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

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

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

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

*donate*

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

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

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

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

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

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

Sending money:*iccf-donations*

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

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

Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children’s Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of “Stichting ICCF Holland” in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See “Others” below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It’s really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
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    Swift code: INGB NL 2A
    IBAN: NL95 INGB 0004 5487 74
    under the name "stichting ICCF Holland", Lisse
    If that doesn't work:
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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:
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8134 Adliswil
Switzerland

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Version 2.1, February 1999

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# PLY (Python Lex-Yacc)       Version 3.11


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Introduction
============

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.
  If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As
a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files: lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

    import ply.lex as lex
    import ply.yacc as yacc

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

    import lex
    import yacc

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a
PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
==============
PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
========= More information about PLY can be obtained on the PLY webpage at:

http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

https://github.com/dabeaz/ply

An old and relatively inactive discussion group for PLY is found at:

http://groups.google.com/group/ply-hack

Acknowledgments
=================
A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
------------------------
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.
Example
=======

Here is a simple example showing a PLY implementation of a calculator with variables.

```python
# ---
# calc.py
# A simple calculator with variables.
# ---

tokens = ( 'NAME', 'NUMBER', 'PLUS', 'MINUS', 'TIMES', 'DIVIDE', 'EQUALS', 'LPAREN', 'RPAREN', )

t_PLUS    = r'\+'
t_MINUS   = r'-'
t_TIMES   = r'\*'
t_DIVIDE  = r'/'
t_EQUALS  = r'='
t_LPAREN  = r'('
t_RPAREN  = r')'
t_NAME    = r'[a-zA-Z_][a-zA-Z0-9_]*'

def t_NUMBER(t):
    r'\d+'
    t.value = int(t.value)
    return t

def t_newline(t):
    r'\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)
    
# Build the lexer
import ply.lex as lex
```

# Precedence rules for the arithmetic operators
precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
)

# dictionary of names (for storing variables)
names = {}

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    '''expression : expression PLUS expression
         | expression MINUS expression
         | expression TIMES expression
         | expression DIVIDE expression'''

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name \'%s\'" % p[1])

```python
p[0] = 0

def p_error(p):
    print("Syntax error at '%s' % p.value")

import ply.yacc as yacc
yacc.yacc()

while True:
    try:
        s = raw_input('calc > ')  # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)
```

**Bug Reports and Patches**

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page at https://github.com/dabeaz/ply to submit issues and pull requests. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.

-- Dave

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```
```
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1.1019 xorg 7.7+19ubuntu7.1

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1.1022 libapache2-mod-authnz-external 3.3.2-0.1
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---------------------------------------------------------------------------

pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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1.1026 zlib 1.2.11 r3

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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
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Original code for cipher/rfc2268.c.

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src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrnn.d.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. 
It was originally written by Tatu Saloranta (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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1.1040 jna 5.3.1

1.1041 nspr 4.21.0-1.el7
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Kazlib - Hash Table Data Type

Files: c_src/hash/*

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Etap

Files: test/etap.erl

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Yajl Test Cases

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react-addons-css-transition-group for share/www/js/require*

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1.1051 libpcap 1.9.1-r2

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* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class have been derived from
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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Dialect.java

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/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1.jar/io/netty/handler/codec/base64/Base64.java
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/**
* A decoder that splits the received { @link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* <p>
* { @link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* 
* <h3>2 bytes length field at offset 0, do not strip header</h3>
* 
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
* 
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* </pre>
* 
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* :<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
* </pre>
* : BEFORE DECODE (14 bytes)     AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>

In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* :<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
* </pre>
* : BEFORE DECODE (14 bytes)     AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 | Length  | Actual Content |----->| Header 1 | Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
* 
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length  | Header 1 | Actual Content |----->| Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
* 
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field, the length field
*     represents the length of the whole message</h3>
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   = 1
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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*/opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4.1-43-final-sources-1.jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
*/opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4.1-43-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/compression/LzmaReadOnlyFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/compression/LzmaStageDecoder.java
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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
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compiler/cpp/src/generate/t_java_generator.cc
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compiler/cpp/src/platform.h
compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
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lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TTType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TTThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
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lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
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lib/csharp/src/Transport/TTTransport.cs
lib/csharp/src/Transport/TTTransportException.cs
lib/csharp/src/Transport/TTTransportFactory.cs
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lib/st/README
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* /opt/ws_local/PERMITS_SQL/1063377547_1592971958.14/0/netty-resolver-4-1-43-final-sources-1-jar/io/netty/resolver/SimpleNameResolver.java
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  jar/io/netty/resolver/DefaultAddressResolverGroup.java
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  jar/io/netty/resolver/HostsFileEntriesResolver.java
* /opt/ws_local/PERMITS_SQL/1063377547_1592971958.14/0/netty-resolver-4-1-43-final-sources-1-
  jar/io/netty/resolver/DefaultNameResolver.java
* /opt/ws_local/PERMITS_SQL/1063377547_1592971958.14/0/netty-resolver-4-1-43-final-sources-1-
  jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1063377547_1592971958.14/0/netty-resolver-4-1-43-final-sources-1-
  jar/io/netty/resolver/AddressResolver.java
* /opt/ws_local/PERMITS_SQL/1063377547_1592971958.14/0/netty-resolver-4-1-43-final-sources-1-
  jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/ws_local/PERMITS_SQL/1063377547_1592971958.14/0/netty-resolver-4-1-43-final-sources-1-
  jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1063377547_1592971958.14/0/netty-resolver-4-1-43-final-sources-1-
  jar/io/netty/resolver/CompositeNameResolver.java
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1.1072 libseccomp 2.3.1-2.1ubuntu4

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1.1081 eclipse-core-commands 3.6.0
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**1.1082 libxext 1.3.3 3.el7**

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1.1083 jflex 1.6.0

1.1084 pb 3.2.17+dfsg-1

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1.1085 jersey-client 2.28

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/* Extracted from chown.c/chgrp.c and librarified by Jim Meyering. */

#include <config.h>
#include <stdio.h>
#include <sys/types.h>
#include <pwd.h>
#include <grp.h>

#include "system.h"
#include "chown-core.h"
#include "error.h"
#include "ignore-value.h"
#include "quote.h"
#include "root-dev-ino.h"
#include "xfts.h"

#define FTSENT_IS_DIRECTORY(E)  
((E)->fts_info == FTS_D) 
|| (E)->fts_info == FTS_DC 
|| (E)->fts_info == FTS_DP 
|| (E)->fts_info == FTS_DNR)

enum RCH_status
{
    /* we called fchown and close, and both succeeded */
    RC_ok = 2,

    /* required_uid and/or required_gid are specified, but don't match */
    RC_excluded,

    /* SAME_INODE check failed */
    RC_inode_changed,

    /* open/fchown isn't needed, isn't safe, or doesn't work due to 
                 permissions problems; fall back on chown */
    RC_do_ordinary_chown,

    /* open, fstat, fchown, or close failed */
    RC_error
};

extern void
chopt_init (struct Chown_option *chopt)
{
    chopt->verbosity = V_off;
    chopt->root_dev_ino = NULL;
    chopt->affect_symlink_referent = true;
    chopt->recurse = false;
    chopt->force_silent = false;
    chopt->user_name = NULL;
    chopt->group_name = NULL;
}

extern void
chopt_free (struct Chown_option *chopt _GL_UNUSED)
{
    /* Deliberately do not free chopt->user_name or ->group_name. 
       They're not always allocated. */
}

/ * Convert the numeric group-id, GID, to a string stored in xmalloc'd memory, 
and return it. If there's no corresponding group name, use the decimal 
representation of the ID. */ 

extern char *
gid_to_name (gid_t gid) 
{ 
    char buf[INT_BUFSIZE_BOUND (intmax_t)]; 
    struct group *grp = getgrgid (gid); 
    return xstrdup (grp ? grp->gr_name 
        : TYPE_SIGNED (gid_t) ? imaxtostr (gid, buf) 
        : umaxtostr (gid, buf)); 
} 

/* Convert the numeric user-id, UID, to a string stored in xmalloc'd memory, 
and return it. If there's no corresponding user name, use the decimal 
representation of the ID. */ 

extern char *
uid_to_name (uid_t uid) 
{ 
    char buf[INT_BUFSIZE_BOUND (intmax_t)]; 
    struct passwd *pwd = getpwuid (uid); 
    return xstrdup (pwd ? pwd->pw_name 
        : TYPE_SIGNED (uid_t) ? imaxtostr (uid, buf) 
        : umaxtostr (uid, buf)); 
} 

/* Allocate a string representing USER and GROUP. */ 

static char *
user_group_str (char const *user, char const *group) 
{ 
    char *spec = NULL; 
    if (user) 
    { 
        if (group) 
        { 
            spec = xmalloc (strlen (user) + 1 + strlen (group) + 1); 
            stpcpy (stpcpy (stpcpy (spec, user), ":"), group); 
        } 
        else 
        { 
            spec = xstrdup (user); 
        } 
    } 
    else if (group)
static void
describe_change (const char *file, enum Change_status changed,
    char const *old_user, char const *old_group,
    char const *user, char const *group)
{
    const char *fmt;
    char *old_spec;
    char *spec;

    if (changed == CH_NOT_APPLIED)
    {
        printf (_("neither symbolic link %s nor referent has been changed\n"),
            quote (file));
        return;
    }

    spec = user_group_str (user, group);
    old_spec = user_group_str (user ? old_user : NULL, group ? old_group : NULL);

    switch (changed)
    {
    case CH_SUCCEEDED:
        fmt = (user ? (_("changed ownership of %s from %s to %s\n")
            : group ? (_("changed group of %s from %s to %s\n")
            : _("no change to ownership of %s\n")));
        break;
    case CH_FAILED:
        if (old_spec)
        {
            fmt = (user ? (_("failed to change ownership of %s from %s to %s\n")
                : group ? (_("failed to change group of %s from %s to %s\n")
                : _("failed to change ownership of %s\n"));
        }
        else
        {
            fmt = (user ? (_("failed to change ownership of %s to %s\n")
                : group ? (_("failed to change group of %s to %s\n")
                : _("failed to change ownership of %s\n"));
        }
    }

    /* Tell the user how/if the user and group of FILE have been changed. 
    If USER is NULL, give the group-oriented messages. 
    CHANGED describes what (if anything) has happened. */

    printf (fmt, file, user, user ? old_user : NULL, old_user,
            group, group ? old_group : NULL);

    free (spec);
    free (old_spec);
}
: _("failed to change ownership of %s\n"));
    free (old_spec);
    old_spec = spec;
    spec = NULL;
}
break;
case CH_NO_CHANGE_REQUESTED:
    fmt = (user ? _("ownership of %s retained as %s\n")
       : group ? _("group of %s retained as %s\n")
       : _("ownership of %s retained\n"));
    break;
default:
    abort ();
}

printf (fmt, quote (file), old_spec, spec);
free (old_spec);
free (spec);
}

/* Change the owner and/or group of the FILE to UID and/or GID (safely) 
   only if REQUIRED_UID and REQUIRED_GID match the owner and group IDs 
   of FILE.  ORIG_ST must be the result of 'stat'ing FILE. 

   The 'safely' part above means that we can't simply use chown(2), 
since FILE might be replaced with some other file between the time 
of the preceding stat/lstat and this chown call.  So here we open 
FILE and do everything else via the resulting file descriptor. 
We first call lstat and verify that the dev/inode match those from 
the preceding stat call, and only then, if appropriate (given the 
required_uid and required_gid constraints) do we call fchown. 

   Return RC_do_ordinary_chown if we can't open FILE, or if FILE is a 
special file that might have undesirable side effects when opening. 
In this case the caller can use the less-safe ordinary chown. 

   Return one of the RCH_status values. */

static enum RCH_status
restricted_chown (int cwd_fd, char const *file,
    struct stat const *orig_st,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid)
{
    enum RCH_status status = RC_ok;
    struct stat st;
    int open_flags = O_NONBLOCK | O_NOCTTY;
int fd;

if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1)
    return RC_do_ordinary_chown;

if (! S_ISREG (orig_st->st_mode))
{
    if (! S_ISDIR (orig_st->st_mode))
        open_flags |= O_DIRECTORY;
    else
        return RC_do_ordinary_chown;
}

fd = openat (cwd_fd, file, O_RDONLY | open_flags);
if (! (0 <= fd
    || (errno == EACCES && S_ISREG (orig_st->st_mode)
        && 0 <= (fd = openat (cwd_fd, file, O_WRONLY | open_flags))))))
    return (errno == EACCES ? RC_do_ordinary_chown : RC_error);

if (fstat (fd, &st) != 0)
    status = RC_error;
else if (! SAME_INODE (*orig_st, st))
    status = RC_inode_changed;
else if (((required_uid == (uid_t) -1 || required_uid == st.st_uid)
    && (required_gid == (gid_t) -1 || required_gid == st.st_gid))
{
    if (fchown (fd, uid, gid) == 0)
    {
        status = (close (fd) == 0
            ? RC_ok : RC_error);
        return status;
    } else
    {
        status = RC_error;
    }
}

int saved_errno = errno;
close (fd);
errno = saved_errno;
return status;

/* Change the owner and/or group of the file specified by FTS and ENT
to UID and/or GID as appropriate.
If REQUIRED_UID is not -1, then skip files with any other user ID.
If REQUIRED_GID is not -1, then skip files with any other group ID. */
CHOPT specifies additional options.
Return true if successful. */
static bool
change_file_owner (FTS *fts, FTSENT *ent,
        uid_t uid, gid_t gid,
        uid_t required_uid, gid_t required_gid,
        struct Chown_option const *chopt)
{
    char const *file_full_name = ent->fts_path;
    char const *file = ent->fts_accpath;
    struct stat const *file_stats;
    struct stat stat_buf;
    bool ok = true;
    bool do_chown;
    bool symlink_changed = true;

    switch (ent->fts_info)
    {
    case FTS_D:
        if (chopt->recurse)
        {
            if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
            {
                /* This happens e.g., with "chown -R --preserve-root 0 /"
                 and with "chown -RH --preserve-root 0 symlink-to-root". */
                ROOT_DEV_INO_WARN (file_full_name);
                /* Tell fts not to traverse into this hierarchy. */
                fts_set (fts, ent, FTS_SKIP);
                /* Ensure that we do not process "/" on the second visit. */
                ignore_value (fts_read (fts));
                return false;
            }
            return true;
        }
        break;
    case FTS_DP:
        if (!chopt->recurse)
            return true;
        break;
    case FTS_NS:
        /* For a top-level file or directory, this FTS_NS (stat failed)
           indicator is determined at the time of the initial fts_open call.
           With programs like chmod, chown, and chgrp, that modify
           permissions, it is possible that the file in question is
           accessible when control reaches this point. So, if this is
           the first time we've seen the FTS_NS for this file, tell
fts_read to stat it "again". */
if (ent->fts_level == 0 && ent->fts_number == 0)
{
ent->fts_number = 1;
fts_set (fts, ent, FTS_AGAIN);
return true;
}
if (! chopt->force_silent)
error (0, ent->fts_errno, _("cannot access %s"),
quote (file_full_name));
ok = false;
break;
case FTS_ERR:
if (! chopt->force_silent)
error (0, ent->fts_errno, "%s", quote (file_full_name));
ok = false;
break;
case FTS_DNR:
if (! chopt->force_silent)
error (0, ent->fts_errno, _("cannot read directory %s"),
quote (file_full_name));
ok = false;
break;
case FTS_DC:/* directory that causes cycles */
if (cycle_warning_required (fts, ent))
{
emit_cycle_warning (file_full_name);
return false;
}
break;
default:
break;
}
if (!ok)
{
do_chown = false;
file_stats = NULL;
}
else if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1
&& chopt->verbosity == V_off
&& ! chopt->root_dev_ino
&& ! chopt->affect_symlink_referent)
{

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do_chown = true;
file_stats = ent->fts_statp;
}
else
{
file_stats = ent->fts_statp;

/* If this is a symlink and we're dereferencing them, 
stat it to get info on the referent. */
if (chopt->affect_symlink_referent && S_ISLNK (file_stats->st_mode))
{
if (fstatat (fts->fts_cwd_fd, file, &stat_buf, 0) != 0)
{
if (! chopt->force_silent)
error (0, errno, _("cannot dereference %s"),
        quote (file_full_name));
ok = false;
}

file_stats = &stat_buf;
}

do_chown = (ok
    && (required_uid == (uid_t) -1
        || required_uid == file_stats->st_uid)
    && (required_gid == (gid_t) -1
        || required_gid == file_stats->st_gid));

/* This happens when chown -LR --preserve-root encounters a symlink-to-/.
if (ok
    && FTSENT_IS_DIRECTORY (ent)
    && ROOT_DEV_INO_CHECK (chopt->root_dev_ino, file_stats))
{
    ROOT_DEV_INO_WARN (file_full_name);
    return false;
}

if (do_chown)
{
if (! chopt->affect_symlink_referent)
{
ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);

/* Ignore any error due to lack of support; POSIX requires 
this behavior for top-level symbolic links with -h, and 
implies that it's required for all symbolic links. */
if (!ok && errno == EOPNOTSUPP)
{  
  ok = true;
  symlink_changed = false;
}
}
else
{
  /* If possible, avoid a race condition with --from=O:G and without the
   (-h) --no-dereference option.  If fts's stat call determined
   that the uid/gid of FILE matched the --from=O:G-selected
   owner and group IDs, blindly using chown(2) here could lead
   chown(1) or chgrp(1) mistakenly to dereference a *symlink*
   to an arbitrary file that an attacker had moved into the
   place of FILE during the window between the stat and
   chown(2) calls.  If FILE is a regular file or a directory
   that can be opened, this race condition can be avoided safely. */

  enum RCH_status err
  = restricted_chown (fts->fts_cwd_fd, file, file_stats, uid, gid,
                        required_uid, required_gid);
  switch (err)
  {
    case RC_ok:
      break;

    case RC_do_ordinary_chown:
      ok = (chownat (fts->fts_cwd_fd, file, uid, gid) == 0);
      break;

    case RC_error:
      ok = false;
      break;

    case RC_inode_changed:
      /* FIXME: give a diagnostic in this case? */
    case RC_excluded:
      do_chown = false;
      ok = false;
      break;

    default:
      abort ();
  }
}

/* On some systems (e.g., GNU/Linux 2.4.x),
the chown function resets the 'special' permission bits.
Do *not* restore those bits; doing so would open a window in
which a malicious user, M, could subvert a chown command run
by some other user and operating on files in a directory
where M has write access. */

if (do_chown && !ok && ! chopt->force_silent)
    error (0, errno, (uid != (uid_t) -1
        ? _("changing ownership of %s")
        : _("changing group of %s")),
        quote (file_full_name));
}

if (chopt->verbosity != V_off)
{
    bool changed =
        ((do_chown && ok && symlink_changed)
            && ((uid == (uid_t) -1 || uid == file_stats->st_uid)
                && (gid == (gid_t) -1 || gid == file_stats->st_gid)));

    if (changed || chopt->verbosity == V_high)
    {
        enum Change_status ch_status =
            (!ok ? CH_FAILED
                : !symlink_changed ? CH_NOT_APPLIED
                : 'changed ? CH_NO_CHANGE_REQUESTED
                : CH_SUCCEEDED);
        char *old_usr = file_stats ? uid_to_name (file_stats->st_uid) : NULL;
        char *old_grp = file_stats ? gid_to_name (file_stats->st_gid) : NULL;
        describe_change (file_full_name, ch_status,
            old_usr, old_grp,
            chopt->user_name, chopt->group_name);
        free (old_usr);
        free (old_grp);
    }
}

if ( ! chopt->recurse)
    fts_set (fts, ent, FTS_SKIP);

return ok;
}

/* Change the owner and/or group of the specified FILES.
BIT_FLAGS specifies how to treat each symlink-to-directory
that is encountered during a recursive traversal.
CHOPT specifies additional options.
If UID is not -1, then change the owner id of each file to UID.
If GID is not -1, then change the group id of each file to GID.
If REQUIRED_UID and/or REQUIRED_GID is not -1, then change only
files with user ID and group ID that match the non-(1) value(s).
Return true if successful. */

extern bool
chown_files (char **files, int bit_flags,
uid_t uid, gid_t gid,
uid_t required_uid, gid_t required_gid,
struct Chown_option const *chopt)
{
bool ok = true;

/* Use lstat and stat only if they're needed. */
int stat_flags = ((required_uid != (uid_t) -1 || required_gid != (gid_t) -1
    || chopt->affect_symlink_referent
    || chopt->verbosity != V_off)
? 0
: FTS_NOSTAT);

FTS *fts = xfts_open (files, bit_flags | stat_flags, NULL);

while (1)
{
    FTSENT *ent;

    ent = fts_read (fts);
    if (ent == NULL)
    {
        if (errno != 0)
        {
/* FIXME: try to give a better message */
            if (! chopt->force_silent)
                error (0, errno, _("fts_read failed"));
            ok = false;
        }
        break;
    }

    ok &= change_file_owner (fts, ent, uid, gid,
        required_uid, required_gid, chopt);
}

if (fts_close (fts) != 0)
{
    error (0, errno, _("fts_close failed"));
    ok = false;
}

return ok;
}
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Version 3, 29 June 2007

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- javee_web_services_1_3.xsd
- javee_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
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- web-app_3_0.xsd
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- web-fragment_3_0.xsd
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1.1103 jackson-module-jaxb-annotations

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The End

1.1109 spdylay 1.30.0 1ubuntu1
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1.1110 node.js 14.2.0
1.1110.1 Available under license:

A. HISTORY OF THE SOFTWARE

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

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

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<th>Owner</th>
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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +
      '"UNLICENSED", or ' +
      '"SEE LICENSE IN <filename>"
    ],
    license is similar to the valid expression "Apache-2.0"
  }
);
```
```
// Simple SPDX license expression for dual licensing
assert.deepEqual(
  valid('GPL-3.0-only OR BSD-2-Clause'),
  validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [
    'license should be ` +
    'a valid SPDX license expression (without "LicenseRef"), ` +
    '"UNLICENSED", or ` +
    '"SEE LICENSE IN <filename>"',
  ]
};
```

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);

```
```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package
and point users there:

```
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
)
assert.deepEqual(
valid('SEE LICENSE IN license.md'),
{
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'license.md'
}
);
);
```

If there aren't any licensing terms, use `UNLICENSED`:
```
```
```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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openssl_ex_libs_BSD-x86_64': ['-pthread'],
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- Valgrind client API header, located at src/third_party/valgrind/valgrind.h. This is released under the BSD license.

- The Wasm C/C++ API headers, located at third_party/wasm-api/wasm.{h,hh}. This is released under the Apache license. The API’s upstream prototype implementation also formed the basis of V8’s implementation in src/wasm/c-api.cc.

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=======================================================================
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# spdx-license-ids


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## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/getting-started/what-is-npm):

```javascript
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### `require('spdx-license-ids')`

Type: `Array<string>`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', 'AFL-1.2', ...
ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```

### `require('spdx-license-ids/deprecated')`

Type: `Array<string>`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...
```
deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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- node-heapdump, located at src/heap_utils.cc, is licensed as follows:

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- src/compat.h src/compat-inl.h

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- rimraf, located at lib/internal/fs/rimraf.js, is licensed as follows:

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- uvwasi, located at deps/uvwasi, is licensed as follows:

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/*
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*/

// Original can be found at:
//   https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
//   https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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'openssl/apps/apps.c',

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'openssl/apps/opt.c',
'openssl/apps/s_cb.c',
'openssl/apps/s_socket.c',
]
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'include_dirs': [

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],
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'libraries': ['<@(openssl_ex_libs_BSD-x86)'],
'sources': ['<@(openssl_cli_srcs_BSD-x86)'],
}
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'./config/archs/BSD-x86/asm/crypto/x86cpuid.s',
'./config/archs/BSD-x86/asm/engines/e_padlock-x86.s',
],
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'NDEBUG',
'L_ENDIAN',
'OPENSSL_pic',
'OPENSSL_CPUID_OBJ',
'OPENSSL_BN_ASM_PART_WORDS',
'OPENSSL_IA32_SSE2',
'OPENSSL_BN_ASM_MONT',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',
'SHA256_ASM',
'SHA512_ASM',
'RC4_ASM',
'MD5_ASM',
'RMD160_ASM',
'AESNI_ASM',
'VPAES_ASM',
'WHIRLPOOL_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'POLY1305_ASM',
],
'openssl_cflags_BSD-x86': [
'-Wa,--noexecstack',
'-Wall -O3 -fomit-frame-pointer',
'-pthread',
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'openssl_ex_libs_BSD-x86': [
'-pthread',
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'include_dirs': [
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'./crypto/include',
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'./config/archs/BSD-x86/asm/crypto/sha/sha256-586.s',
'./config/archs/BSD-x86/asm/crypto/sha/sha512-586.s',
'./config/archs/BSD-x86/asm/crypto/whirlpool/wp-mmx.s',
'./config/archs/BSD-x86/asm/crypto/x86cpuid.s',
'./config/archs/BSD-x86/asm/engines/e_padlock-x86.s',
],
'defines': ['<@openssl_defines_BSD-x86>'],
'cflags' : ['<@openssl_cflags_BSD-x86>'],
'libraries': ['<@openssl_ex_libs_BSD-x86>'],
'sources': ['<@openssl_sources>', '<@openssl_sources_BSD-x86>'],
}

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* /opt/ws_local/PERMITS_SQL/1049875286_1591811131.33/0/netty-handler-5-0-0-alpha2-sources-zip/netty-handler-5.0.0.Alpha2-sources/io/netty/handler/timeout/WriteTimeoutException.java
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1.1117 alsalib 1.1.8 1.el7

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That's all there is to it!

/*
 * ALSA lisp implementation
 * Copyright (c) 2003 by Jaroslav Kysela <perex@perex.cz>
 * Based on work of Sandro Sigala (slisp-1.2)
 *
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 *
*/
#include <assert.h>
#include <limits.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <err.h>

#define alisp_seq_iterator alisp_object

#include "local.h"
#include "alisp.h"
#include "alisp_local.h"

struct alisp_object alsa_lisp_nil;
struct alisp_object alsa_lisp_t;

/* parser prototypes */
static struct alisp_object * parse_object(struct alisp_instance *instance, int havetoken);
static void princ_cons(snd_output_t *out, struct alisp_object * p);
static void princ_object(snd_output_t *out, struct alisp_object * p);
static struct alisp_object * eval(struct alisp_instance *instance, struct alisp_object * p);

/* functions */
static struct alisp_object *F_eval(struct alisp_instance *instance, struct alisp_object *);
static struct alisp_object *F_progn(struct alisp_instance *instance, struct alisp_object *);
static struct alisp_object *F_funcall(struct alisp_instance *instance, struct alisp_object *);

/* others */
static int alisp_include_file(struct alisp_instance *instance, const char *filename);

/*
 * object handling
 */

static int get_string_hash(const char *s)
{
    int val = 0;
    if (s == NULL)
        return val;
    while (*s)
        val += *s++;
    return val & ALISP_OBJ_PAIR_HASH_MASK;
}
static void nomem(void)
{
SNDERR("alisp: no enough memory");
}

static void lisp_verbose(struct alisp_instance *instance, const char *fmt, ...)
{
va_list ap;

if (!instance->verbose)
return;
va_start(ap, fmt);
snd_output_printf(instance->vout, "alisp: ");
snd_output_vprintf(instance->vout, fmt, ap);
snd_output_putchar(instance->vout, '\n');
va_end(ap);
}

static void lisp_error(struct alisp_instance *instance, const char *fmt, ...)
{
va_list ap;

if (!instance->warning)
return;
va_start(ap, fmt);
snd_output_printf(instance->eout, "alisp error: ");
snd_output_vprintf(instance->eout, fmt, ap);
snd_output_putchar(instance->eout, '\n');
va_end(ap);
}

static void lisp_warn(struct alisp_instance *instance, const char *fmt, ...)
{
va_list ap;

if (!instance->warning)
return;
va_start(ap, fmt);
snd_output_printf(instance->wout, "alisp warning: ");
snd_output_vprintf(instance->wout, fmt, ap);
snd_output_putchar(instance->wout, '\n');
va_end(ap);
}

static void lisp_debug(struct alisp_instance *instance, const char *fmt, ...)
{
va_list ap;
if (!instance->debug)
    return;
va_start(ap, fmt);
snd_output_printf(instance->dout, "alisp debug: ");
snd_output_vprintf(instance->dout, fmt, ap); 
snd_output_putchar(instance->dout, '\n'); 
va_end(ap);
}

static struct alisp_object * new_object(struct alisp_instance *instance, int type)
{
    struct alisp_object * p;

    if (list_empty(&instance->free_objs_list)) {
        p = (struct alisp_object *)malloc(sizeof(struct alisp_object));
        if (p == NULL) {
            nomem();
            return NULL;
        }
        lisp_debug(instance, "allocating cons %p", p);
    } else {
        p = (struct alisp_object *)instance->free_objs_list.next;
        list_del(&p->list);
        instance->free_objs--;
        lisp_debug(instance, "recycling cons %p", p);
    }

    instance->used_objs++;

    alisp_set_type(p, type);
    alisp_set_refs(p, 1);
    if (type == ALISP_OBJ_CONS) {
        p->value.c.car = &alsa_lisp_nil;
        p->value.c.cdr = &alsa_lisp_nil;
        list_add(&p->list, &instance->used_objs_list[ALISP_OBJ_CONS]);
    }

    if (instance->used_objs + instance->free_objs > instance->max_objs)
        instance->max_objs = instance->used_objs + instance->free_objs;

    return p;
}

static void free_object(struct alisp_object * p)
{
    switch (alisp_get_type(p)) {
    case ALISP_OBJ_STRING;
    case ALISP_OBJ_IDENTIFIER:


free(p->value.s);
alisp_set_type(p, ALISP_OBJ_INTEGER);
break;
default:
break;
}

static void delete_object(struct alisp_instance *instance, struct alisp_object * p)
{
    if (p == NULL || p == &alsa_lisp_nil || p == &alsa_lisp_t)
        return;
    if (alisp_compare_type(p, ALISP_OBJ_NIL) ||
        alisp_compare_type(p, ALISP_OBJ_T))
        return;
    assert(alisp_get_refs(p) > 0);
    lisp_debug(instance, "delete cons %p (type = %i, refs = %i) (s = '%s')", p, alisp_get_type(p), alisp_get_refs(p),
        alisp_compare_type(p, ALISP_OBJ_STRING) ||
        alisp_compare_type(p, ALISP_OBJ_IDENTIFIER) ? p->value.s : "???");
    if (alisp_dec_refs(p))
        return;
    list_del(&p->list);
    instance->used_objs--;
    free_object(p);
    if (instance->free_objs >= ALISP_FREE_OBJ_POOL) {
        lisp_debug(instance, "freed cons %p", p);
        free(p);
        return;
    }
    lisp_debug(instance, "moved cons %p to free list", p);
    list_add(&p->list, &instance->free_objs_list);
    instance->free_objs++;
}

static void delete_tree(struct alisp_instance *instance, struct alisp_object * p)
{
    if (p == NULL)
        return;
    if (alisp_compare_type(p, ALISP_OBJ_CONS)) {
        delete_tree(instance, p->value.c.car);
        delete_tree(instance, p->value.c.cdr);
    }
    delete_object(instance, p);
}

static struct alisp_object * incref_object(struct alisp_instance *instance ATTRIBUTE_UNUSED, struct alisp_object * p)
{
if (p == NULL || p == &alsa_lisp_nil || p == &alsa_lisp_t) return p;
if (alisp_get_refs(p) == ALISP_MAX_REFS) {
    assert(0);
    fprintf(stderr, "OOPS: alsa lisp: incref fatal error\n");
    exit(EXIT_FAILURE);
}
alisp_inc_refs(p);
return p;
}

static struct alisp_object * incref_tree(struct alisp_instance *instance, struct alisp_object * p)
{
    if (p == NULL) return NULL;
    if (alisp_compare_type(p, ALISP_OBJ_CONS)) {
        incref_tree(instance, p->value.c.car);
        incref_tree(instance, p->value.c.cdr);
    }
    return incref_object(instance, p);
}

/* Function not used yet. Leave it commented out until we actually use it to
 * avoid compiler complaints */
#if 0
static struct alisp_object * incref_tree_explicit(struct alisp_instance *instance, struct alisp_object * p, struct alisp_object * e)
{
    if (p == NULL) return NULL;
    if (alisp_compare_type(p, ALISP_OBJ_CONS)) {
        if (e == p) {
            incref_tree(instance, p->value.c.car);
            incref_tree(instance, p->value.c.cdr);
        } else {
            incref_tree_explicit(instance, p->value.c.car, e);
            incref_tree_explicit(instance, p->value.c.cdr, e);
        }
    }
    if (e == p) return incref_object(instance, p);
    return p;
}
#endif

static void free_objects(struct alisp_instance *instance)
{
    struct list_head *pos, *pos1;
struct alisp_object * p;
struct alisp_object_pair * pair;
int i, j;

for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++) {
    list_for_each_safe(pos, pos1, &instance->setobjs_list[i]) {
        pair = list_entry(pos, struct alisp_object_pair, list);
        lisp_debug(instance, "freeing pair: '%s' -> %p", pair->name, pair->value);
        delete_tree(instance, pair->value);
        free((void *)pair->name);
        free(pair);
    }
}

for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++)
for (j = 0; j <= ALISP_OBJ_LAST_SEARCH; j++) {
    list_for_each_safe(pos, pos1, &instance->used_objs_list[i][j]) {
        p = list_entry(pos, struct alisp_object, list);
        lisp_debug(instance, "object %p is still referenced %i times!", p, alisp_get_refs(p));
        if (alisp_get_refs(p) > 0)
            alisp_set_refs(p, 1);
        delete_object(instance, p);
    }
}

list_for_each_safe(pos, pos1, &instance->free_objs_list) {
    p = list_entry(pos, struct alisp_object, list);
    list_del(&p->list);
    free(p);
    lisp_debug(instance, "freed (all) cons %p", p);
}

static struct alisp_object * search_object_identifier(struct alisp_instance *instance, const char *s)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[get_string_hash(s)][ALISP_OBJ_IDENTIFIER]) {
        p = list_entry(pos, struct alisp_object, list);
        if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
            continue;
        if (!strcmp(p->value.s, s))
            return incref_object(instance, p);
    }

    return NULL;
}
return NULL;
}

static struct alisp_object * search_object_string(struct alisp_instance *instance, const char *s)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[get_string_hash(s)][ALISP_OBJ_STRING]) {
        p = list_entry(pos, struct alisp_object, list);
        if (!strcmp(p->value.s, s)) {
            if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
                continue;
            return incref_object(instance, p);
        }
    }
    return NULL;
}

static struct alisp_object * search_object_integer(struct alisp_instance *instance, long in)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[in & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_INTEGER]) {
        p = list_entry(pos, struct alisp_object, list);
        if (p->value.i == in) {
            if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
                continue;
            return incref_object(instance, p);
        }
    }
    return NULL;
}

static struct alisp_object * search_object_float(struct alisp_instance *instance, double in)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[(long)in & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_FLOAT]) {
        p = list_entry(pos, struct alisp_object, list);
        if (p->value.i == in) {
if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
    continue;
return incref_object(instance, p);
}
}

return NULL;
}

static struct alisp_object * search_object_pointer(struct alisp_instance *instance, const void *ptr)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[(long)ptr & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_POINTER]) {
        p = list_entry(pos, struct alisp_object, list);
        if (p->value.ptr == ptr) {
            if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
                continue;
            return incref_object(instance, p);
        }
    }

    return NULL;
}

static struct alisp_object * new_integer(struct alisp_instance *instance, long value)
{
    struct alisp_object * obj;

    obj = search_object_integer(instance, value);
    if (obj != NULL)
        return obj;
    obj = new_object(instance, ALISP_OBJ_INTEGER);
    if (obj) {
        list_add(&obj->list, &instance->used_objs_list[value & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_INTEGER]);
        obj->value.i = value;
    }
    return obj;
}

static struct alisp_object * new_float(struct alisp_instance *instance, double value)
{
    struct alisp_object * obj;

    obj = search_object_float(instance, value);
if (obj != NULL) 
    return obj;
obj = new_object(instance, ALISP_OBJ_FLOAT);
if (obj) {
    list_add(&obj->list, &instance->used_objs_list[(long)value & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_FLOAT]);
    obj->value.f = value;
}
return obj;

static struct alisp_object * new_string(struct alisp_instance *instance, const char *str) {
    struct alisp_object * obj;
    obj = search_object_string(instance, str);
    if (obj != NULL)
        return obj;
    obj = new_object(instance, ALISP_OBJ_STRING);
    if (obj)
        list_add(&obj->list, &instance->used_objs_list[get_string_hash(str)][ALISP_OBJ_STRING]);
    if (obj && (obj->value.s = strdup(str)) == NULL) {
        delete_object(instance, obj);
        nomem();
        return NULL;
    }
    return obj;
}

static struct alisp_object * new_identifier(struct alisp_instance *instance, const char *id) {
    struct alisp_object * obj;
    obj = search_object_identifier(instance, id);
    if (obj != NULL)
        return obj;
    obj = new_object(instance, ALISP_OBJ_IDENTIFIER);
    if (obj)
        list_add(&obj->list, &instance->used_objs_list[get_string_hash(id)][ALISP_OBJ_IDENTIFIER]);
    if (obj && (obj->value.s = strdup(id)) == NULL) {
        delete_object(instance, obj);
        nomem();
        return NULL;
    }
    return obj;
}

static struct alisp_object * new_pointer(struct alisp_instance *instance, const void *ptr) {
struct alisp_object * obj;

obj = search_object_pointer(instance, ptr);
if (obj != NULL)
  return obj;
obj = new_object(instance, ALISP_OBJ_POINTER);
if (obj) {
  list_add(&obj->list, &instance->used_objs_list[(long)ptr &
  ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_POINTER]);
  obj->value.ptr = ptr;
}
return obj;
}

static struct alisp_object * new_cons_pointer(struct alisp_instance * instance, const char *ptr_id, void *ptr)
{
  struct alisp_object * lexpr;

  if (ptr == NULL)
    return &alsa_lisp_nil;
  lexpr = new_object(instance, ALISP_OBJ_CONS);
  if (lexpr == NULL)
    return NULL;
  lexpr->value.c.car = new_string(instance, ptr_id);
  if (lexpr->value.c.car == NULL)
    goto __end;
  lexpr->value.c.cdr = new_pointer(instance, ptr);
  if (lexpr->value.c.cdr == NULL) {
    delete_object(instance, lexpr->value.c.car);
    __end:
    delete_object(instance, lexpr);
    return NULL;
  }
  return lexpr;
}

void alsa_lisp_init_objects(void) __attribute__ ((constructor));

void alsa_lisp_init_objects(void)
{
  memset(&alsa_lisp_nil, 0, sizeof(alsa_lisp_nil));
  alisp_set_type(&alsa_lisp_nil, ALISP_OBJ_NIL);
  INIT_LIST_HEAD(&alsa_lisp_nil.list);
  memset(&alsa_lisp_t, 0, sizeof(alsa_lisp_t));
  alisp_set_type(&alsa_lisp_t, ALISP_OBJ_T);
  INIT_LIST_HEAD(&alsa_lisp_t.list);
}
static int xgetc(struct alisp_instance *instance)
{
    instance->charno++;
    if (instance->lex_bufp > instance->lex_buf)
        return *--(instance->lex_bufp);
    return snd_input_getc(instance->in);
}

static inline void xungetc(struct alisp_instance *instance, int c)
{
    *(instance->lex_bufp)++ = c;
    instance->charno--;
}

static int init_lex(struct alisp_instance *instance)
{
    instance->charno = instance->lineno = 1;
    instance->token_buffer_max = 10;
    if ((instance->token_buffer = (char *)malloc(instance->token_buffer_max)) == NULL) {
        nomem();
        return -ENOMEM;
    }
    instance->lex_bufp = instance->lex_buf;
    return 0;
}

static void done_lex(struct alisp_instance *instance)
{
    free(instance->token_buffer);
}

static char * extend_buf(struct alisp_instance *instance, char *p)
{
    int off = p - instance->token_buffer;

    instance->token_buffer_max += 10;
    instance->token_buffer = (char *)realloc(instance->token_buffer, instance->token_buffer_max);
    if (instance->token_buffer == NULL) {
        nomem();
        return NULL;
    }

    return instance->token_buffer + off;

static int gettoken(struct alisp_instance *instance)
{
    char *p;
    int c;

    for (;;) {
        c = xgetc(instance);
        switch (c) {
            case '\n':
                ++instance->lineno;
                break;

            case ' ': case '\f': case '\t': case '\v': case '\r':
                break;

            case ';':
                /* Comment: ";".*"\n" */
                while ((c = xgetc(instance)) != '\n' && c != EOF)
                ;
                if (c != EOF)
                    ++instance->lineno;
                break;

            case '?':
                /* Character: "?". */
                c = xgetc(instance);
                sprintf(instance->token_buffer, "%d", c);
                return instance->thistoken = ALISP_INTEGER;

            case '-':
                /* Minus sign: "-". */
                c = xgetc(instance);
                if (!isdigit(c)) {
                    xungetc(instance, c);
                    c = '-';
                    goto got_id;
                }
                xungetc(instance, c);
                c = '-';
                /* FALLTHRU */

            case '0':
                case '1': case '2': case '3':
                case '4': case '5': case '6':
                case '7': case '8': case '9':
                /* Integer: [0-9]+ */
p = instance->token_buffer;
instance->thistoken = ALISP_INTEGER;
do {
    __ok:
    if (p - instance->token_buffer >= instance->token_buffer_max - 1) {
        p = extend_buf(instance, p);
        if (p == NULL)
            return instance->thistoken = EOF;
    }
    *p++ = c;
    c = xgetc(instance);
    if (c == '.' && instance->thistoken == ALISP_INTEGER) {
        c = xgetc(instance);
        xungetc(instance, c);
        if (isdigit(c)) {
            instance->thistoken = ALISP_FLOAT;
            c = '.';
            goto __ok;
        } else {
            c = '.';
        }
    } else if (c == 'e' && instance->thistoken == ALISP_FLOAT) {
        c = xgetc(instance);
        if (isdigit(c)) {
            instance->thistoken = ALISP_FLOAT;
            goto __ok;
        }
    }
    while (isdigit(c));
    xungetc(instance, c);
    *p = '0';
    return instance->thistoken;
}

got_id:
case '!': case '_': case '+': case '*': case '/': case '%':
case '<': case '>': case '=': case '&':
case 'a': case 'b': case 'c': case 'd': case 'e': case 'f':
case 'g': case 'h': case 'i': case 'j': case 'k': case 'l':
case 'm': case 'n': case 'o': case 'p': case 'q': case 'r':
case 's': case 't': case 'u': case 'v': case 'w': case 'x':
case 'y': case 'z':
case 'A': case 'B': case 'C': case 'D': case 'E': case 'F':
case 'G': case 'H': case 'I': case 'J': case 'K': case 'L':
case 'M': case 'N': case 'O': case 'P': case 'Q': case 'R':
case 'S': case 'T': case 'U': case 'V': case 'W': case 'X':
case 'Y': case 'Z':
/* Identifier: [!-*/%<>=-&a-zA-Z_-][.-*/%<>=-&a-zA-Z_0-9]* */
p = instance->token_buffer;
do {
if (p - instance->token_buffer >= instance->token_buffer_max - 1) {
    p = extend_buf(instance, p);
    if (p == NULL)
        return instance->thistoken = EOF;
}
    *p++ = c;
    c = xgetc(instance);
} while (isalnum(c) || strchr("!\*_+/\%\<\>=&", c) != NULL);
xungetc(instance, c);
    *p = '\0';
return instance->thistoken = ALISP_IDENTIFIER;
}

case "":
    /* String: ""("^"|"\")."" */
    p = instance->token_buffer;
    while ((c = xgetc(instance)) != '"' && c != EOF) {
        if (p - instance->token_buffer >= instance->token_buffer_max - 1) {
            p = extend_buf(instance, p);
            if (p == NULL)
                return instance->thistoken = EOF;
        }
        if (c == '\') {
            c = xgetc(instance);
            switch (c) {
                case '\' : ++instance->lineno; break;
                case 'a'  : *p++ = '\a'; break;
                case 'b'  : *p++ = '\b'; break;
                case 'f'  : *p++ = '\f'; break;
                case 'n'  : *p++ = '\n'; break;
                case 'r'  : *p++ = '\r'; break;
                case 't'  : *p++ = '\t'; break;
                case 'v'  : *p++ = '\v'; break;
                default   : *p++ = c;
            }
        } else {
            if (c == '\n')
                ++instance->lineno;
            *p++ = c;
        }
    }
    *p = '\0';
return instance->thistoken = ALISP_STRING;
}

default:
    return instance->thistoken = c;
}
static struct alisp_object * parse_form(struct alisp_instance *instance)
{
    int thistoken;
    struct alisp_object * p, * first = NULL, * prev = NULL;

    while ((thistoken = gettoken(instance)) != ')' && thistoken != EOF) {
        /*
         * Parse a dotted pair notation.
         */
        if (thistoken == '.') {
            gettoken(instance);
            if (prev == NULL) {
                lisp_error(instance, "unexpected ".");
                __err:
                delete_tree(instance, first);
                return NULL;
            }
            prev->value.c.cdr = parse_object(instance, 1);
            if (prev->value.c.cdr == NULL)
                goto __err;
            if ((thistoken = gettoken(instance)) != ')') {
                lisp_error(instance, "expected ")");
                goto __err;
            }
            break;
        }
        p = new_object(instance, ALISP_OBJ_CONS);
        if (p == NULL)
            goto __err;
        if (first == NULL)
            first = p;
        if (prev != NULL)
            prev->value.c.cdr = p;
        p->value.c.car = parse_object(instance, 1);
        if (p->value.c.car == NULL)
            goto __err;
        prev = p;
    }
}
if (first == NULL)
    return &alsa_lisp_nil;
else
    return first;

static struct alisp_object * quote_object(struct alisp_instance *instance, struct alisp_object * obj)
{
    struct alisp_object * p;

    if (obj == NULL)
        goto __end1;

    p = new_object(instance, ALISP_OBJ_CONS);
    if (p == NULL)
        goto __end1;

    p->value.c.car = new_identifier(instance, "quote");
    if (p->value.c.car == NULL)
        goto __end;

    p->value.c.cdr = new_object(instance, ALISP_OBJ_CONS);
    if (p->value.c.cdr == NULL) {
        delete_object(instance, p->value.c.car);
        __end:
        delete_object(instance, p);
        __end1:
        delete_tree(instance, obj);
        return NULL;
    }

    p->value.c.cdr->value.c.car = obj;
    return p;
}

static inline struct alisp_object * parse_quote(struct alisp_instance *instance)
{
    return quote_object(instance, parse_object(instance, 0));
}

static struct alisp_object * parse_object(struct alisp_instance *instance, int havetoken)
{
    int thistoken;
    struct alisp_object * p = NULL;

    if (!havetoken)
        thistoken = gettoken(instance);
    else
thistoken = instance->thistoken;

switch (thistoken) {
    case EOF:
        break;
    case '(':
        p = parse_form(instance);
        break;
    case '"':
        p = parse_quote(instance);
        break;
    case ALISP_IDENTIFIER:
        if (!strcmp(instance->token_buffer, "t"))
            p = &alsa_lisp_t;
        else if (!strcmp(instance->token_buffer, "nil"))
            p = &alsa_lisp_nil;
        else {
            p = new_identifier(instance, instance->token_buffer);
        }
        break;
    case ALISP_INTEGER: {
        p = new_integer(instance, atol(instance->token_buffer));
        break;
    }
    case ALISP_FLOAT:
    case ALISP_FLOATE: {
        p = new_float(instance, atof(instance->token_buffer));
        break;
    }
    case ALISP_STRING:
        p = new_string(instance, instance->token_buffer);
        break;
    default:
        lisp_warn(instance, "%d:%d: unexpected character `\x27%c\x27`, instance->lineno, instance->charno, thistoken);
        break;
}

return p;
}

/*
 * object manipulation
 */

static struct alisp_object_pair * set_object_direct(struct alisp_instance *instance, struct alisp_object * name, struct alisp_object * value)
{
    struct alisp_object_pair *p;
const char *id;

id = name->value.s;
p = (struct alisp_object_pair *)malloc(sizeof(struct alisp_object_pair));
if (p == NULL) {
    nomem();
    return NULL;
}
p->name = strdup(id);
if (p->name == NULL) {
    delete_tree(instance, value);
    free(p);
    return NULL;
}
list_add(&p->list, &instance->setobjs_list[get_string_hash(id)]);
p->value = value;
return p;

static int check_set_object(struct alisp_instance *instance, struct alisp_object *name)
{
    if (name == &alsa_lisp_nil) {
        lisp_warn(instance, "setting the value of a nil object");
        return 0;
    }
    if (name == &alsa_lisp_t) {
        lisp_warn(instance, "setting the value of a t object");
        return 0;
    }
    if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) &&
        !alisp_compare_type(name, ALISP_OBJ_STRING)) {
        lisp_warn(instance, "setting the value of an object with non-identifier");
        return 0;
    }
    return 1;
}

static struct alisp_object_pair * set_object(struct alisp_instance *instance, struct alisp_object * name, struct alisp_object * value)
{
    struct list_head *pos;
    struct alisp_object_pair *p;
    const char *id;

    if (name == NULL || value == NULL)
        return NULL;

    id = name->value.s;
list_for_each(pos, &instance->setobjs_list[get_string_hash(id)])
{
    p = list_entry(pos, struct alisp_object_pair, list);
    if (!strcmp(p->name, id))
    {
        delete_tree(instance, p->value);
        p->value = value;
        return p;
    }
}

p = (struct alisp_object_pair *)malloc(sizeof(struct alisp_object_pair));
if (p == NULL) {
    nomem();
    return NULL;
}
p->name = strdup(id);
if (p->name == NULL) {
    delete_tree(instance, value);
    free(p);
    return NULL;
}
list_add(&p->list, &instance->setobjs_list[get_string_hash(id)]);
p->value = value;
return p;
}

static struct alisp_object * unset_object(struct alisp_instance *instance, struct alisp_object * name)
{
    struct list_head *pos;
    struct alisp_object *res;
    struct alisp_object_pair *p;
    const char *id;

    if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) &&
        !alisp_compare_type(name, ALISP_OBJ_STRING))
    {
        lisp_warn(instance, "unset object with a non-indentifier");
        return &alsa_lisp_nil;
    }
    id = name->value.s;

    list_for_each(pos, &instance->setobjs_list[get_string_hash(id)])
    {
        p = list_entry(pos, struct alisp_object_pair, list);
        if (!strcmp(p->name, id))
        {
            list_del(&p->list);
            res = p->value;
            free((void *)p->name);
            free(p);
            return res;
        }
    }
return &alsa_lisp_nil;
}

static struct alisp_object * get_object1(struct alisp_instance *instance, const char *id)
{
    struct alisp_object_pair *p;
    struct list_head *pos;

    list_for_each(pos, &instance->setobjs_list[get_string_hash(id)]) {
        p = list_entry(pos, struct alisp_object_pair, list);
        if (!strcmp(p->name, id))
            return p->value;
    }

    return &alsa_lisp_nil;
}

static struct alisp_object * get_object(struct alisp_instance *instance, struct alisp_object * name)
{
    if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) &&
        !alisp_compare_type(name, ALISP_OBJ_STRING)) {
        delete_tree(instance, name);
        return &alsa_lisp_nil;
    }

    return get_object1(instance, name->value.s);
}

static struct alisp_object * replace_object(struct alisp_instance *instance, struct alisp_object * name, struct alisp_object * onew)
{
    struct alisp_object_pair *p;
    struct alisp_object *r;
    struct list_head *pos;
    const char *id;

    if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) &&
        !alisp_compare_type(name, ALISP_OBJ_STRING)) {
        delete_tree(instance, name);
        return &alsa_lisp_nil;
    }

    id = name->value.s;
    list_for_each(pos, &instance->setobjs_list[get_string_hash(id)]) {
        p = list_entry(pos, struct alisp_object_pair, list);
        if (!strcmp(p->name, id)) {
            r = p->value;
        }
    }

    p = list_entry(pos, struct alisp_object_pair, list);
    p->value = onew;

    return &alsa_lisp_nil;
}
p->value = onew;
return r;
}

return NULL;
}

static void dump_objects(struct alisp_instance *instance, const char *fname)
{
struct alisp_object_pair *p;
snd_output_t *out;
struct list_head *pos;
int i, err;

if (!strcmp(fname, "."))
err = snd_output_stdio_attach(&out, stdout, 0);
else
err = snd_output_stdio_open(&out, fname, "w+");
if (err < 0) {
SNDERR("alisp: cannot open file '%s' for writing (%s)", fname, snd_strerror(errno));
return;
}

for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++) {
list_for_each(pos, &instance->setobjs_list[i]) {
p = list_entry(pos, struct alisp_object_pair, list);
if (alisp_compare_type(p->value, ALISP_OBJ_CONS) &&
alisp_compare_type(p->value->value.c.car, ALISP_OBJ_IDENTIFIER) &&
!strcmp(p->value->value.c.car->value.s, "lambda")) {
snd_output_printf(out, "(defun %s ", p->name);
princ_cons(out, p->value->value.c.cdr);
snd_output_printf(out, ")
”);
continue;
}
snd_output_printf(out, "(setq %s ", p->name);
princ_object(out, p->value);
snd_output_printf(out, ")\n”);
}
}
snd_output_close(out);
}

static const char *obj_type_str(struct alisp_object * p)
{
switch (alisp_get_type(p)) {
case ALISP_OBJ_NIL: return "nil";
case ALISP_OBJ_T: return "t";

}
case ALISP_OBJ_INTEGER: return "integer";
case ALISP_OBJ_FLOAT: return "float";
case ALISP_OBJ_IDENTIFIER: return "identifier";
case ALISP_OBJ_STRING: return "string";
case ALISP_OBJ_POINTER: return "pointer";
case ALISP_OBJ_CONS: return "cons";
default: assert(0);
}
}

static void print_obj_lists(struct alisp_instance *instance, snd_output_t *out)
{
struct list_head *pos;
struct alisp_object * p;
int i, j;

snd_output_printf(out, "** used objects\n");
for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++)
for (j = 0; j <= ALISP_OBJ_LAST_SEARCH; j++)
list_for_each(pos, &instance->used_objs_list[i][j]) {
p = list_entry(pos, struct alisp_object, list);
snd_output_printf(out, "** %p (%s) (refs=%i\n", p, obj_type_str(p));
if (!alisp_compare_type(p, ALISP_OBJ_CONS))
princ_object(out, p);
else
snd_output_printf(out, "cons\n");
snd_output_printf(out, ") refs=\n", alisp_get_refs(p));
}
snd_output_printf(out, "** free objects\n");
list_for_each(pos, &instance->free_objs_list) {
p = list_entry(pos, struct alisp_object, list);
snd_output_printf(out, "** %p\n", p);
}
}

static void dump_obj_lists(struct alisp_instance *instance, const char *fname)
{
snd_output_t *out;
int err;

if (!strcmp(fname, "."))
err = snd_output_stdio_attach(&out, stdout, 0);
else
err = snd_output_stdio_open(&out, fname, "w+");
if (err < 0) {
SNDERR("alisp: cannot open file \"%s\" for writing \"%s\", fname, snd_strerror(erno));
return;
}
print_obj_lists(instance, out);

snd_output_close(out);
}

/*
 *  functions
 */

static int count_list(struct alisp_object * p)
{
    int i = 0;

    while (p != &alsa_lisp_nil && alisp_compare_type(p, ALISP_OBJ_CONS)) {
        p = p->value.c.cdr;
        ++i;
    }

    return i;
}

static inline struct alisp_object * car(struct alisp_object * p)
{
    if (alisp_compare_type(p, ALISP_OBJ_CONS))
        return p->value.c.car;
    return &alsa_lisp_nil;
}

static inline struct alisp_object * cdr(struct alisp_object * p)
{
    if (alisp_compare_type(p, ALISP_OBJ_CONS))
        return p->value.c.cdr;
    return &alsa_lisp_nil;
}

/*
 * Syntax: (car expr)
 */

static struct alisp_object * F_car(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object *p1 = car(args), *p2;
    delete_tree(instance, cdr(args));
    delete_object(instance, args);
    p1 = eval(instance, p1);
    delete_tree(instance, cdr(p1));
p2 = car(p1);
delete_object(instance, p1);
return p2;
}

/*
 * Syntax: (cdr expr)
 */
static struct alisp_object * F_cdr(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object *p1 = car(args), *p2;
delete_tree(instance, cdr(args));
delete_object(instance, args);
p1 = eval(instance, p1);
delete_tree(instance, car(p1));
p2 = cdr(p1);
delete_object(instance, p1);
return p2;
}

/*
 * Syntax: (+ expr...)
 */
static struct alisp_object * F_add(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = args, * p1, * n;
long v = 0;
double f = 0;
int type = ALISP_OBJ_INTEGER;
p1 = eval(instance, car(p));
for (;;) {
if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
if (type == ALISP_OBJ_FLOAT)
f += p1->value.i;
else
v += p1->value.i;
} else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
f += p1->value.f + v;
v = 0;
type = ALISP_OBJ_FLOAT;
} else {
lisp_warn(instance, "sum with a non integer or float operand");
}
delete_tree(instance, p1);
p = cdr(n = p);
delete_object(instance, n);
if (p == &alsa_lisp_nil)
break;
p1 = eval(instance, car(p));
}
if (type == ALISP_OBJ_INTEGER) {
    return new_integer(instance, v);
} else {
    return new_float(instance, f);
}

/*
 * Syntax: (concat expr...)
 */
static struct alisp_object * F_concat(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * n;
    char *str = NULL, *str1;

    p1 = eval(instance, car(p));
    for (;;)
    {
        if (alisp_compare_type(p1, ALISP_OBJ_STRING)) {
            str1 = realloc(str, (str ? strlen(str) : 0) + strlen(p1->value.s) + 1);
            if (str1 == NULL)
            {
                nomem();
                free(str);
                return NULL;
            }
            if (str == NULL)
                strcpy(str1, p1->value.s);
            else
                strcat(str1, p1->value.s);
            str = str1;
        }
        else
        {
            lisp_warn(instance, "concat with a non string or identifier operand");
        }
        delete_tree(instance, p1);
        p = cdr(n = p);
        delete_object(instance, n);
        if (p == &alsa_lisp_nil)
            break;
        p1 = eval(instance, car(p));
    }
    if (str) {
        p = new_string(instance, str);
        free(str);
    } else {
        p = &alsa_lisp_nil;
    }
return p;

/**
 * Syntax: (- expr...)
 */
static struct alisp_object * F_sub(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * n;
    long v = 0;
    double f = 0;
    int type = ALISP_OBJ_INTEGER;

do {
    p1 = eval(instance, car(p));
    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
        if (p == args && cdr(p) != &alsa_lisp_nil) {
            v = p1->value.i;
        } else {
            if (type == ALISP_OBJ_FLOAT)
                f -= p1->value.i;
            else
                v -= p1->value.i;
        }
    } else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
        if (type == ALISP_OBJ_INTEGER) {
            f = v;
            type = ALISP_OBJ_FLOAT;
        } if (p == args && cdr(p) != &alsa_lisp_nil)
            f = p1->value.f;
        else {
            f -= p1->value.f;
        }
        } else {
        lisp_warn(instance, "difference with a non integer or float operand");
        delete_tree(instance, p1);
        n = cdr(p);
        delete_object(instance, p);
        p = n;
    } while (p != &alsa_lisp_nil);

    if (type == ALISP_OBJ_INTEGER) {
        return new_integer(instance, v);
    } else {
        return new_float(instance, f);
    }
}
/*
 * Syntax: (* expr...)
 */

static struct alisp_object * F_mul(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * n;
    long v = 1;
    double f = 1;
    int type = ALISP_OBJ_INTEGER;

    do {
        p1 = eval(instance, car(p));
        if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
            if (type == ALISP_OBJ_FLOAT)
                f *= p1->value.i;
            else
                v *= p1->value.i;
        } else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
            f *= p1->value.f * v; v = 1;
            type = ALISP_OBJ_FLOAT;
        } else {
            lisp_warn(instance, "product with a non integer or float operand");
        }
        delete_tree(instance, p1);
        n = cdr(p);
        delete_object(instance, p);
        p = n;
    } while (p != &alsa_lisp_nil);

    if (type == ALISP_OBJ_INTEGER) {
        return new_integer(instance, v);
    } else {
        return new_float(instance, f);
    }
}

/*
 * Syntax: (/ expr...)
 */

static struct alisp_object * F_div(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * n;
    long v = 0;
    double f = 0;
    int type = ALISP_OBJ_INTEGER;

    do {
p1 = eval(instance, car(p));
if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
    if (p == args && cdr(p) != &alsa_lisp_nil) {
        v = p1->value.i;
    } else {
        if (p1->value.i == 0) {
            lisp_warn(instance, "division by zero");
            v = 0;
            f = 0;
            break;
        } else {
            if (type == ALISP_OBJ_FLOAT)
                f /= p1->value.i;
            else
                v /= p1->value.i;
        }
    } else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
        if (type == ALISP_OBJ_INTEGER) {
            f = v;
            type = ALISP_OBJ_FLOAT;
        }
        if (p == args && cdr(p) != &alsa_lisp_nil) {
            f = p1->value.f;
        } else {
            if (p1->value.f == 0) {
                lisp_warn(instance, "division by zero");
                f = 0;
                break;
            } else {
                f /= p1->value.i;
            }
        }
    } else
        lisp_warn(instance, "quotient with a non integer or float operand");
delete_tree(instance, p1);
n = cdr(p);
delete_object(instance, p);
p = n;
} while (p != &alsa_lisp_nil);

if (type == ALISP_OBJ_INTEGER) {
    return new_integer(instance, v);
} else {
    return new_float(instance, f);
}
/* 
 * Syntax: (% expr1 expr2) 
 */

static struct alisp_object * F_mod(struct alisp_instance *instance, struct alisp_object * args) 
{
    struct alisp_object * p1, * p2, * p3;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
        alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
        if (p2->value.i == 0) {
            lisp_warn(instance, "module by zero");
            p3 = new_integer(instance, 0);
        } else {
            p3 = new_integer(instance, p1->value.i % p2->value.i);
        }
    } else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
        alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
        (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
        alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
        double f1, f2;
        f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
        f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
        f1 = fmod(f1, f2);
        if (f1 == EDOM) {
            lisp_warn(instance, "module by zero");
            p3 = new_float(instance, 0);
        } else {
            p3 = new_float(instance, f1);
        }
    } else {
        lisp_warn(instance, "module with a non integer or float operand");
        delete_tree(instance, p1);
        delete_tree(instance, p2);
        return &alsa_lisp_nil;
    }

    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return p3;
}

/*
* Syntax: (< expr1 expr2)
 */
static struct alisp_object * F_lt(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
        alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
        if (p1->value.i < p2->value.i) {
            __true:
            delete_tree(instance, p1);
            delete_tree(instance, p2);
            return &alsa_lisp_t;
        } else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
            alisp_compare_type(p2, ALISP_OBJ_INTEGER)) &&
                (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
            alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
            double f1, f2;
            f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
            f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
            if (f1 < f2)
                goto __true;
        } else {
            lisp_warn(instance, "comparison with a non integer or float operand");
        }
    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return &alsa_lisp_nil;
}

/*
 * Syntax: (> expr1 expr2)
 */
static struct alisp_object * F_gt(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));

delete_object(instance, cdr(args));
delete_object(instance, args);

if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
    alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
    if (p1->value.i > p2->value.i) {
        __true:
        delete_tree(instance, p1);
        delete_tree(instance, p2);
        return &alsa_lisp_t;
    }
    } else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
        alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
        (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
        alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
    double f1, f2;
    f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
    f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
    if (f1 > f2)
        goto __true;
    } else {
    lisp_warn(instance, "comparison with a non integer or float operand");
    }
    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return &alsa_lisp_nil;
}

/*
 * Syntax: (<= expr1 expr2)
 */
static struct alisp_object * F_le(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
        alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
        if (p1->value.i <= p2->value.i) {
            __true:
            delete_tree(instance, p1);
            delete_tree(instance, p2);
        } else {
        lisp_warn(instance, "comparison with a non integer or float operand");
        }
    } else {
    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return &alsa_lisp_nil;
    }

}
double f1, f2;
f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
if (f1 <= f2)
goto __true;
} else {
lisp_warn(instance, "comparison with a non integer or float operand");
}
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}

/*
 * Syntax: (>= expr1 expr2)
 */
static struct alisp_object * F_ge(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2;
p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
if (p1->value.i >= p2->value.i) {
    __true:
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_t;
}
} else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
    (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
double f1, f2;
f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
if (f1 >= f2)
goto __true;
} else {
lisp_warn(instance, "comparison with a non integer or float operand");
}

delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}

/*
 * Syntax: (= expr1 expr2)
 */
static struct alisp_object * F_numeq(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2;

p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

if (!alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
    !alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
    if (p1->value.i == p2->value.i) {
        __true:
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_t;
    }
} else if (!alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
    !alisp_compare_type(p2, ALISP_OBJ_FLOAT)) {
    double f1, f2;
    f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
    f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
    if (f1 == f2)
goto __true;
} else {
lisp_warn(instance, "comparison with a non integer or float operand");
}

delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
static struct alisp_object * F_numneq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p;
    p = F_numeq(instance, args);
    if (p == &alsa_lisp_nil)
        return &alsa_lisp_t;
    return &alsa_lisp_nil;
}

static struct alisp_object * F_exfun(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;
    p1 = eval(instance, car(args));
    delete_tree(instance, cdr(args));
    delete_object(instance, args);
    p2 = get_object(instance, p1);
    if (p2 == &alsa_lisp_nil) {
        delete_tree(instance, p1);
        return &alsa_lisp_nil;
    }
    p2 = car(p2);
    if (alisp_compare_type(p2, ALISP_OBJ_IDENTIFIER) &&
        !strcmp(p2->value.s, "lambda")) {
        delete_tree(instance, p1);
        return &alsa_lisp_t;
    }
    delete_tree(instance, p1);
    return &alsa_lisp_nil;
}

static void princ_string(snd_output_t *out, char *s)
{
    char *p;
    snd_output_putchar(out, '"');
    for (p = s; *p != '\0'; ++p)
        switch (*p) {
case 'a': snd_output_putchar(out, 'a'); break;
case 'b': snd_output_putchar(out, 'b'); break;
case 'f': snd_output_putchar(out, 'f'); break;
case 'n': snd_output_putchar(out, 'n'); break;
case 'r': snd_output_putchar(out, 'r'); break;
case 't': snd_output_putchar(out, 't'); break;
case 'v': snd_output_putchar(out, 'v'); break;
case '"': snd_output_putchar(out, '"'); break;
default: snd_output_putchar(out, *p);
}
snd_output_putchar(out, '"');
}

static void princ_cons(snd_output_t *out, struct alisp_object * p)
{
do {
    princ_object(out, p->value.c.car);
p = p->value.c.cdr;
if (p != &alsa_lisp_nil) {
snd_output_putchar(out, ' ');
if (!alisp_compare_type(p, ALISP_OBJ_CONS)) {
snd_output_printf(out, " . ");
princ_object(out, p);
}
}
} while (p != &alsa_lisp_nil && alisp_compare_type(p, ALISP_OBJ_CONS));

static void princ_object(snd_output_t *out, struct alisp_object * p)
{
switch (alisp_get_type(p)) {
case ALISP_OBJ_NIL:
snd_output_printf(out, "nil");
break;
case ALISP_OBJ_T:
snd_output_putchar(out, 't');
break;
case ALISP_OBJ_IDENTIFIER:
snd_output_printf(out, "%s", p->value.s);
break;
case ALISP_OBJ_STRING:
princ_string(out, p->value.s);
break;
case ALISP_OBJ_INTEGER:
snd_output_printf(out, "%ld", p->value.i);
break;
case ALISP_OBJ_FLOAT:
snd_output_printf(out, "%f", p->value.f);
break;
case ALISP_OBJ_POINTER:
snd_output_printf(out, "<%p>", p->value.ptr);
break;
case ALISP_OBJ_CONS:
snd_output_putchar(out, '(');
princ_cons(out, p);
snd_output_putchar(out, ')');
}
}

/*
 * Syntax: (princ expr...)
 */
static struct alisp_object * F_princ(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1 = NULL, * n;

    do {
        if (p1)
            delete_tree(instance, p1);
        p1 = eval(instance, car(p));
        if (alisp_compare_type(p1, ALISP_OBJ_STRING))
            snd_output_printf(instance->out, "%s", p1->value.s);
        else
            princ_object(instance->out, p1);
        n = cdr(p);
        delete_object(instance, p);
        p = n;
    } while (p != &alsa_lisp_nil);

    return p1;
}

/*
 * Syntax: (atom expr)
 */
static struct alisp_object * F_atom(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p;

    p = eval(instance, car(args));
delete_tree(instance, cdr(args));
delete_object(instance, args);
if (p == NULL)
    return NULL;

    switch (alisp_get_type(p)) {


case ALISP_OBJ_T:
case ALISP_OBJ_NIL:
case ALISP_OBJ_INTEGER:
case ALISP_OBJ_FLOAT:
case ALISP_OBJ_STRING:
case ALISP_OBJ_IDENTIFIER:
case ALISP_OBJ_POINTER:
delete_tree(instance, p);
return &alsa_lisp_t;
default:
break;
}
delete_tree(instance, p);
return &alsa_lisp_nil;
}

/*
 * Syntax: (cons expr1 expr2)
 */
static struct alisp_object * F_cons(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p;

p = new_object(instance, ALISP_OBJ_CONS);
if (p) {
p->value.c.car = eval(instance, car(args));
p->value.c.cdr = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);
} else {
delete_tree(instance, args);
}

return p;
}

/*
 * Syntax: (list expr1...)
 */
static struct alisp_object * F_list(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = args, * first = NULL, * prev = NULL, * p1;

if (p == &alsa_lisp_nil)
return &alsa_lisp_nil;
do {
    p1 = new_object(instance, ALISP_OBJ_CONS);
    if (p1 == NULL) {
        delete_tree(instance, p);
        delete_tree(instance, first);
        return NULL;
    }
    p1->value.c.car = eval(instance, car(p));
    if (p1->value.c.car == NULL) {
        delete_tree(instance, first);
        delete_tree(instance, cdr(p));
        delete_object(instance, p);
        return NULL;
    }
    if (first == NULL)
        first = p1;
    if (prev != NULL)
        prev->value.c.cdr = p1;
        prev = p1;
        p = cdr(p1 = p);
        delete_object(instance, p1);
    } while (p != &alsa_lisp_nil);
    return first;
}

static inline int eq(struct alisp_object * p1, struct alisp_object * p2)
{
    return p1 == p2;
}

static int equal(struct alisp_object * p1, struct alisp_object * p2)
{
    int type1, type2;

    if (eq(p1, p2))
        return 1;

    type1 = alisp_get_type(p1);
    type2 = alisp_get_type(p2);

    if (type1 == ALISP_OBJ_CONS || type2 == ALISP_OBJ_CONS)
        return 0;

    if (type1 == type2) {
        switch (type1) {
            case ALISP_OBJ_STRING:
                return !strcmp(p1->value.s, p2->value.s);
        }
    }
}
case ALISP_OBJ_INTEGER:
    return p1->value.i == p2->value.i;
case ALISP_OBJ_FLOAT:
    return p1->value.i == p2->value.i;
}
}

return 0;
}

/*
 * Syntax: (eq expr1 expr2)
 */
static struct alisp_object * F_eq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (eq(p1, p2)) {
        delete_tree(instance, p1);
        delete_tree(instance, p2);
        return &alsa_lisp_t;
    }
    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return &alsa_lisp_nil;
}

/*
 * Syntax: (equal expr1 expr2)
 */
static struct alisp_object * F_equal(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (equal(p1, p2)) {
        delete_tree(instance, p1);

delete_tree(instance, p2);
return &alsa_lisp_t;
}
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}

/*
 * Syntax: (quote expr)
 */
static struct alisp_object * F_quote(struct alisp_instance *instance ATTRIBUTE_UNUSED, struct alisp_object * args)
{
struct alisp_object *p = car(args);

delete_tree(instance, cdr(args));
delete_object(instance, args);
return p;
}

/*
 * Syntax: (and expr...)
 */
static struct alisp_object * F_and(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = args, * p1 = NULL, * n;
do {
if (p1)
delete_tree(instance, p1);
p1 = eval(instance, car(p));
if (p1 == &alsa_lisp_nil) {
    delete_tree(instance, p1);
delete_tree(instance, cdr(p));
delete_object(instance, p);
return &alsa_lisp_nil;
}
p = cdr(n = p);
deletObject(instance, n);
} while (p != &alsa_lisp_nil);
return p1;
}

/*
 * Syntax: (or expr...)
 */
static struct alisp_object * F_or(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1 = NULL, * n;

do {
    if (p1)  
delete_tree(instance, p1);
    p1 = eval(instance, car(p));
    if (p1 != &alsa_lisp_nil)  
    delete_tree(instance, cdr(p));
    delete_object(instance, p);
    return p1;
}

    p = cdr(n = p);
    delete_object(instance, n);
} while (p != &alsa_lisp_nil);

return &alsa_lisp_nil;
}

/*
 * Syntax: (not expr)
 * Syntax: (null expr)
 */
static struct alisp_object * F_not(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = eval(instance, car(args));

delete_tree(instance, cdr(args));
    delete_object(instance, args);
    if (p != &alsa_lisp_nil)  
    delete_tree(instance, p);
    return &alsa_lisp_nil;
}

delete_tree(instance, p);
return &alsa_lisp_t;
}

/*
 * Syntax: (cond (expr1 [expr2])...)
 */
static struct alisp_object * F_cond(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * p2, * p3;

do {
    p1 = car(p);

if ((p2 = eval(instance, car(p1))) != &alsa_lisp_nil) {
    p3 = cdr(p1);
    delete_object(instance, p1);
    delete_tree(instance, cdr(p));
    delete_object(instance, p);
    if (p3 != &alsa_lisp_nil) {
        delete_tree(instance, p2);
        return F_progn(instance, p3);
    } else {
        delete_tree(instance, p3);
        return p2;
    }
} else {
    delete_tree(instance, p2);
    delete_tree(instance, cdr(p1));
    delete_object(instance, p1);
}
}
p = cdr(p2 = p);
delete_object(instance, p2);
} while (p != &alsa_lisp_nil);
return &alsa_lisp_nil;
}

/*
 * Syntax: (if expr then-expr else-expr...)
 */
static struct alisp_object * F_if(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2, * p3;

    p1 = car(args);
p2 = car(cdr(args));
p3 = cdr(cdr(args));
delete_object(instance, cdr(args));
delete_object(instance, args);

    p1 = eval(instance, p1);
    if (p1 != &alsa_lisp_nil) {
        delete_tree(instance, p1);
        delete_tree(instance, p3);
        return eval(instance, p2);
    }

    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return F_progn(instance, p3);
}
/*
 * Syntax: (when expr then-expr...)
 */
static struct alisp_object * F_when(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2;

p1 = car(args);
p2 = cdr(args);
delete_object(instance, args);
if ((p1 = eval(instance, p1)) != &alsa_lisp_nil) {
delete_tree(instance, p1);
return F_progn(instance, p2);
} else {
delete_tree(instance, p1);
delete_tree(instance, p2);
}

return &alsa_lisp_nil;
}

/*
 * Syntax: (unless expr else-expr...)
 */
static struct alisp_object * F_unless(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2;

p1 = car(args);
p2 = cdr(args);
delete_object(instance, args);
if ((p1 = eval(instance, p1)) == &alsa_lisp_nil) {
return F_progn(instance, p2);
} else {
delete_tree(instance, p1);
delete_tree(instance, p2);
}

return &alsa_lisp_nil;
}

/*
 * Syntax: (while expr exprs...)
 */
static struct alisp_object * F_while(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2, * p3;

p1 = car(args);
p2 = cdr(args);
delete_object(instance, args);
if ((p1 = eval(instance, p1)) != &alsa_lisp_nil) {
return F_progn(instance, p2);
} else {
delete_tree(instance, p1);
delete_tree(instance, p2);
}

return &alsa_lisp_nil;
}
p1 = car(args);
p2 = cdr(args);

delete_object(instance, args);
while (1) {
    incref_tree(instance, p1);
    if ((p3 = eval(instance, p1)) == &alsa_lisp_nil)
        break;
    delete_tree(instance, p3);
    incref_tree(instance, p2);
    delete_tree(instance, F_progn(instance, p2));
}
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}

/*
 * Syntax: (progn expr...)
 */
static struct alisp_object * F_progn(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1 = NULL, * n;
    do {
        if (p1)
            delete_tree(instance, p1);
        p1 = eval(instance, car(p));
        n = cdr(p);
        delete_object(instance, p);
        p = n;
    } while (p != &alsa_lisp_nil);
    return p1;
}

/*
 * Syntax: (prog1 expr...)
 */
static struct alisp_object * F_prog1(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * first = NULL, * p1;
    do {
        p1 = eval(instance, car(p));
        if (first == NULL)
first = p1;
else
    delete_tree(instance, p1);
p1 = cdr(p);
delete_object(instance, p);
p = p1;
} while (p != &alsa_lisp_nil);

if (first == NULL)
    first = &alsa_lisp_nil;

return first;
}

/*
* Syntax: (prog2 expr...)
*/
static struct alisp_object * F_prog2(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * second = NULL, * p1;
    int i = 0;

do {
    ++i;
p1 = eval(instance, car(p));
    if (i == 2)
        second = p1;
    else
        delete_tree(instance, p1);
p1 = cdr(p);
delete_object(instance, p);
p = p1;
} while (p != &alsa_lisp_nil);

if (second == NULL)
    second = &alsa_lisp_nil;

return second;
}

/*
* Syntax: (set name value)
*/
static struct alisp_object * F_set(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1 = eval(instance, car(args)),
        * p2 = eval(instance, car(cdr(args)));
    * p1 = eval(instance, car(args)),
        * p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));  
delete_object(instance, cdr(cdr(args)));  
delete_object(instance, args);  
if (!check_set_object(instance, p1)) {  
delete_tree(instance, p2);  
p2 = &alsa_lisp_nil;  
} else {  
if (set_object(instance, p1, p2) == NULL) {  
delete_tree(instance, p1);  
delete_tree(instance, p2);  
return NULL;  
}  
}
delete_tree(instance, p1);  
return incref_tree(instance, p2);

/*  
* Syntax: (unset name)  
*/  
static struct alisp_object * F_unset(struct alisp_instance *instance, struct alisp_object * args)  
{  
struct alisp_object * p1 = eval(instance, car(args));  

delete_tree(instance, unset_object(instance, p1));  
delete_tree(instance, cdr(args));  
delete_object(instance, args);  
return p1;  
}

/*  
* Syntax: (setq name value...)  
* Syntax: (setf name value...)  
* `name' is not evalled  
*/  
static struct alisp_object * F_setq(struct alisp_instance *instance, struct alisp_object * args)  
{  
struct alisp_object * p = args, * p1, * p2 = NULL, *n;  
do {  
p1 = car(p);  
p2 = eval(instance, car(cdr(p)));  
n = cdr(cdr(p));  
delete_object(instance, cdr(p));  
delete_object(instance, p);  
if (!check_set_object(instance, p1)) {  
delete_tree(instance, p2);  
p2 = &alsa_lisp_nil;  


{ else {
    if (set_object(instance, p1, p2) == NULL) {
        delete_tree(instance, p1);
        delete_tree(instance, p2);
        return NULL;
    }
}

delete_tree(instance, p1);
p = n;
} while (p != &alsa_lisp_nil);

return incref_tree(instance, p2);
}

/*
 * Syntax: (unsetq name...)
 * Syntax: (unsetf name...)
 * `name' is not evalled
 */
static struct alisp_object * F_unsetq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1 = NULL, * n;

do {
    if (p1)
        delete_tree(instance, p1);
    p1 = unset_object(instance, car(p));
    delete_tree(instance, car(p));
    p = cdr(n = p);
    delete_object(instance, n);
} while (p != &alsa_lisp_nil);

return p1;
}

/*
 * Syntax: (defun name arglist expr...)
 * `name' is not evalled
 * `arglist' is not evalled
 */
static struct alisp_object * F_defun(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1 = car(args),
    * p2 = car(cdr(args)),
    * p3 = cdr(cdr(args));
    struct alisp_object * lexpr;

    lexpr = new_object(instance, ALISP_OBJ_CONS);
if (lexpr) {
    lexpr->value.c.car = new_identifier(instance, "lambda");
    if (lexpr->value.c.car == NULL) {
        delete_object(instance, lexpr);
        delete_tree(instance, args);
        return NULL;
    }
    if ((lexpr->value.c.cdr = new_object(instance, ALISP_OBJ_CONS)) == NULL) {
        delete_object(instance, lexpr->value.c.car);
        delete_object(instance, lexpr);
        delete_tree(instance, args);
        return NULL;
    }
    lexpr->value.c.cdr->value.c.car = p2;
    lexpr->value.c.cdr->value.c.cdr = p3;
    delete_object(instance, cdr(args));
    delete_object(instance, args);
    if (set_object(instance, p1, lexpr) == NULL) {
        delete_tree(instance, p1);
        delete_tree(instance, lexpr);
        return NULL;
    }
    delete_tree(instance, p1);
} else {
    delete_tree(instance, args);
}
return &alsa_lisp_nil;
}

static struct alisp_object * eval_func(struct alisp_instance *instance, struct alisp_object * p, struct alisp_object * args) {
    struct alisp_object * p1, * p2, * p3, * p4;
    struct alisp_object ** eval_objs, ** save_objs;
    int i;

    p1 = car(p);
    if (alisp_compare_type(p1, ALISP_OBJ_IDENTIFIER) &&
        !strcmp(p1->value.s, "lambda")) {
        p2 = car(cdr(p));
        p3 = args;

        if (i = count_list(p2)) != count_list(p3)) {
            lisp_warn(instance, "wrong number of parameters");
            goto _delete;
        }

        eval_objs = malloc(2 * i * sizeof(struct alisp_object *));
        ...
if (eval_objs == NULL) {
    nomem();
    goto _delete;
}
save_objs = eval_objs + i;

/*
 * Save the new variable values.
 */
i = 0;
while (p3 != &alsa_lisp_nil) {
    eval_objs[i++] = eval(instance, car(p3));
p3 = cdr(p4 = p3);
delete_object(instance, p4);
}

/*
 * Save the old variable values and set the new ones.
 */
i = 0;
while (p2 != &alsa_lisp_nil) {
    p3 = car(p2);
    save_objs[i] = replace_object(instance, p3, eval_objs[i]);
    if (save_objs[i] == NULL &&
        set_object_direct(instance, p3, eval_objs[i]) == NULL) {
        p4 = NULL;
        goto _end;
    }
    p2 = cdr(p2);
    ++i;
}
p4 = F_progn(instance, cdr(incref_tree(instance, p3 = cdr(p))));

/*
 * Restore the old variable values.
 */
p2 = car(p3);
delete_object(instance, p3);
i = 0;
while (p2 != &alsa_lisp_nil) {
    p3 = car(p2);
    if (save_objs[i] == NULL) {
        p3 = unset_object(instance, p3);
    } else {
        p3 = replace_object(instance, p3, save_objs[i]);
    }
    ++i;
}
delete_tree(instance, p3);
delete_tree(instance, car(p2));
p2 = cdr(p3 = p2);
delete_object(instance, p3);
}

_end:
free(eval_objs);

return p4;
} else {
    _delete:
delete_tree(instance, args);
}
return &alsa_lisp_nil;
}

struct alisp_object * F_gc(struct alisp_instance *instance ATTRIBUTE_UNUSED, struct alisp_object * args ATTRIBUTE_UNUSED)
{
    /* improved: no more traditional gc */
    return &alsa_lisp_t;
}

/*
 * Syntax: (path what)
 * what is string ('data')
 */
struct alisp_object * F_path(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1;
p1 = eval(instance, car(args));
delete_tree(instance, car(args));
delete_object(instance, args);
if (!alisp_compare_type(p1, ALISP_OBJ_STRING)) {
delete_tree(instance, p1);
return &alsa_lisp_nil;
}
if (!strcmp(p1->value.s, "data")) {
delete_tree(instance, p1);
return new_string(instance, snd_config_topdir());
}
delete_tree(instance, p1);
return &alsa_lisp_nil;
}

/*
* Syntax: (include filename...)

struct alisp_object * F_include(struct alisp_instance *instance, struct alisp_object * args)
{
  struct alisp_object * p = args, * p1;
  int res = -ENOENT;

  do {
    p1 = eval(instance, car(p));
    if (alisp_compare_type(p1, ALISP_OBJ_STRING))
      res = alisp_include_file(instance, p1->value.s);
    delete_tree(instance, p1);
    p = cdr(p1 = p);
    delete_object(instance, p1);
  } while (p != &alsa_lisp_nil);

  return new_integer(instance, res);
}

/*
* Syntax: (string-to-integer value)
* 'value' can be integer or float type
*/
struct alisp_object * F_string_to_integer(struct alisp_instance *instance, struct alisp_object * args)
{
  struct alisp_object * p = eval(instance, car(args)), * p1;

  delete_tree(instance, cdr(args));
  delete_object(instance, args);
  if (alisp_compare_type(p, ALISP_OBJ_INTEGER))
    return p;
  if (alisp_compare_type(p, ALISP_OBJ_FLOAT))
    p1 = new_integer(instance, floor(p->value.f));
  else {
    lisp_warn(instance, "expected an integer or float for integer conversion");
    p1 = &alsa_lisp_nil;
  }
  delete_tree(instance, p);
  return p1;
}

/*
* Syntax: (string-to-float value)
* 'value' can be integer or float type
*/
struct alisp_object * F_string_to_float(struct alisp_instance *instance, struct alisp_object * args)
{
  struct alisp_object * p = eval(instance, car(args)), * p1;

  delete_tree(instance, cdr(args));
  delete_object(instance, args);
  if (alisp_compare_type(p, ALISP_OBJ_INTEGER))
    return p;
  if (alisp_compare_type(p, ALISP_OBJ_FLOAT))
    p1 = new_integer(instance, floor(p->value.f));
  else {
    lisp_warn(instance, "expected an integer or float for integer conversion");
    p1 = &alsa_lisp_nil;
  }
  delete_tree(instance, p);
  return p1;
}
delete_tree(instance, cdr(args));
delete_object(instance, args);
if (alisp_compare_type(p, ALISP_OBJ_FLOAT))
    return p;
if (alisp_compare_type(p, ALISP_OBJ_INTEGER)) {
p1 = new_float(instance, p->value.i);
} else {
lisp_warn(instance, "expected an integer or float for integer conversion");
p1 = &alsa_lisp_nil;
}
delete_tree(instance, p);
return p1;

static int append_to_string(char **s, int *len, char *from, int size)
{
    if (*len == 0) {
        *s = malloc(*len = size + 1);
        if (*s == NULL) {
            nomem();
            return -ENOMEM;
        }
        memcpy(*s, from, size);
    } else {
        *len += size;
        *s = realloc(*s, *len);
        if (*s == NULL) {
            nomem();
            return -ENOMEM;
        }
        memcpy(*s + strlen(*s), from, size);
    }
    (*s)[*len - 1] = '\0';
    return 0;
}

static int format_parse_char(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
    char b;
    if (!alisp_compare_type(p, ALISP_OBJ_INTEGER)) {
        lisp_warn(instance, "format: expected integer\n");
        return 0;
    }
    b = p->value.i;
    return append_to_string(s, len, &b, 1);
}
static int format_parse_integer(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
    int res;
    char *s1;

    if (!alisp_compare_type(p, ALISP_OBJ_INTEGER) &&
        !alisp_compare_type(p, ALISP_OBJ_FLOAT)) {
        lisp_warn(instance, "format: expected integer or float\n");
        return 0;
    }
    s1 = malloc(64);
    if (s1 == NULL) {
        nomem();
        return -ENOMEM;
    }
    sprintf(s1, "%li", alisp_compare_type(p, ALISP_OBJ_FLOAT) ? (long)floor(p->value.f) : p->value.i);
    res = append_to_string(s, len, s1, strlen(s1));
    free(s1);
    return res;
}

static int format_parse_float(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
    int res;
    char *s1;

    if (!alisp_compare_type(p, ALISP_OBJ_INTEGER) &&
        !alisp_compare_type(p, ALISP_OBJ_FLOAT)) {
        lisp_warn(instance, "format: expected integer or float\n");
        return 0;
    }
    s1 = malloc(64);
    if (s1 == NULL) {
        nomem();
        return -ENOMEM;
    }
    sprintf(s1, "%f", alisp_compare_type(p, ALISP_OBJ_FLOAT) ? p->value.f : (double)p->value.i);
    res = append_to_string(s, len, s1, strlen(s1));
    free(s1);
    return res;
}

static int format_parse_string(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
    if (!alisp_compare_type(p, ALISP_OBJ_STRING)) {
        lisp_warn(instance, "format: expected string\n");
        return 0;
    }
struct alisp_object * F_format(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = eval(instance, car(args)), * p1 = cdr(args), * n;
    char *s, *s1, *s2;
    int len;

    delete_object(instance, args);
    if (!alisp_compare_type(p, ALISP_OBJ_STRING)) {
        delete_tree(instance, p1);
        delete_tree(instance, p);
        lisp_warn(instance, "format: expected an format string");
        return &alsa_lisp_nil;
    }

    s = p->value.s;
    s1 = NULL;
    len = 0;
    n = eval(instance, car(p1));
    do {
        while (1) {
            s2 = s;
            while (*s2 && *s2 != '%')
                s2++;
            if (s2 != s) {
                if (append_to_string(&s1, &len, s, s2 - s) < 0) {
                    __error:
                    delete_tree(instance, n);
                    delete_tree(instance, cdr(p1));
                    delete_object(instance, p1);
                    delete_tree(instance, p);
                    return NULL;
                }
            } else if (*s2 != '%')
                s2++;

            switch (*s2) {
            case '%':
                if (append_to_string(&s1, &len, s, s2 - s) < 0)
                    goto __error;
                s = s2 + 1;
                break;
case 'c':
    if (format_parse_char(instance, &s1, &len, n) < 0)
        goto __error;
    s = s2 + 1;
    goto __next;
  case 'd':
    case 'i':
        if (format_parse_integer(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    case 'f':
        if (format_parse_float(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    case 's':
        if (format_parse_string(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    case '\0':
        goto __end;
    default:
        lisp_warn(instance, "unknown format char '%c'", *s2);
        s = s2 + 1;
        goto __next;
    }
  }
__next:
    delete_tree(instance, n);
    p1 = cdr(n = p1);
    delete_object(instance, n);
    n = eval(instance, car(p1));
} while (*s);
__end:
    delete_tree(instance, n);
    delete_tree(instance, cdr(p1));
    delete_object(instance, p1);
    delete_tree(instance, p);
    if (len > 0) {
        p1 = new_string(instance, s1);
        free(s1);
    } else {
        p1 = &alsa_lisp_nil;
    }
    return p1;
}
/*
 * Syntax: (compare-strings str1 start1 end1 str2 start2 end2 /opt-case-insensitive)
 * 'str1' is first compared string
 * 'start1' is first char (0..)
 * 'end1' is last char (0..)
 * 'str2' is second compared string
 * 'start2' is first char (0..)
 * 'end2' is last char (0..)
 * /opt-case-insensitive true - case insensitive match
 */

struct alisp_object * F_compare_strings(struct alisp_instance *instance, struct alisp_object * args)
{
 struct alisp_object * p1 = args, * n, * p[7];
 char *s1, *s2;
 int start1, end1, start2, end2;

 for (start1 = 0; start1 < 7; start1++) {
 p[start1] = eval(instance, car(p1));
 p1 = cdr(n = p1);
 delete_object(instance, n);
 }
 delete_tree(instance, p1);
 if (alisp_compare_type(p[0], ALISP_OBJ_STRING)) {
 lisp_warn(instance, "compare-strings: first argument must be string\n");
 p1 = &alsa_lisp_nil;
 goto __err;
 }
 if (alisp_compare_type(p[1], ALISP_OBJ_INTEGER)) {
 lisp_warn(instance, "compare-strings: second argument must be integer\n");
 p1 = &alsa_lisp_nil;
 goto __err;
 }
 if (alisp_compare_type(p[2], ALISP_OBJ_INTEGER)) {
 lisp_warn(instance, "compare-strings: third argument must be integer\n");
 p1 = &alsa_lisp_nil;
 goto __err;
 }
 if (alisp_compare_type(p[3], ALISP_OBJ_STRING)) {
 lisp_warn(instance, "compare-strings: fifth argument must be string\n");
 p1 = &alsa_lisp_nil;
 goto __err;
 }
 if (!alisp_compare_type(p[4], ALISP_OBJ_NIL) &&
 !alisp_compare_type(p[4], ALISP_OBJ_INTEGER)) {
 lisp_warn(instance, "compare-strings: fourth argument must be integer\n");
 p1 = &alsa_lisp_nil;
 goto __err;
 }
if (!alisp_compare_type(p[5], ALISP_OBJ_NIL) &&
    !alisp_compare_type(p[5], ALISP_OBJ_INTEGER)) {
    lisp_warn(instance, "compare-strings: sixth argument must be integer\n");
p1 = &alsa_lisp_nil;
goto __err;
}
s1 = p[0]->value.s;
start1 = p[1]->value.i;
end1 = p[2]->value.i;
s2 = p[3]->value.s;
start2 = alisp_compare_type(p[4], ALISP_OBJ_NIL) ? 0 : p[4]->value.i;
end2 = alisp_compare_type(p[5], ALISP_OBJ_NIL) ? start2 + (end1 - start1) : p[5]->value.i;
if (start1 < 0 || start2 < 0 || end1 < 0 || end2 < 0 ||
    start1 >= (int)strlen(s1) || start2 >= (int)strlen(s2) ||
    (end1 - start1) != (end2 - start2)) {
p1 = &alsa_lisp_nil;
goto __err;
}
if (p[6] != &alsa_lisp_nil) {
    while (start1 < end1) {
        if (s1[start1] == '\0' ||
            s2[start2] == '\0' ||
            tolower(s1[start1]) != tolower(s2[start2])) {
            p1 = &alsa_lisp_nil;
goto __err;
        }
        start1++;
        start2++;
    }
} else {
    while (start1 < end1) {
        if (s1[start1] == '\0' ||
            s2[start2] == '\0' ||
            s1[start1] != s2[start2]) {
            p1 = &alsa_lisp_nil;
goto __err;
        }
        start1++;
        start2++;
    }
}
p1 = &alsa_lisp_t;
__err:
    for (start1 = 0; start1 < 7; start1++)
        delete_tree(instance, p[start1]);
    return p1;
struct alisp_object * F_assoc(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2, * n;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));  
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    do {
        if (eq(p1, car(car(p2)))) {
            n = car(p2);
            delete_tree(instance, p1);
            delete_tree(instance, cdr(p2));
            delete_object(instance, p2);
            return n;
        }
        delete_tree(instance, car(p2));
        p2 = cdr(n = p2);
        delete_object(instance, n);
    } while (p2 != &alsa_lisp_nil);

    delete_tree(instance, p1);
    return &alsa_lisp_nil;
}

struct alisp_object * F_rassoc(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, *p2, * n;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));  
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    do {
        if (eq(p1, cdr(car(p2)))) {
            n = car(p2);
        }
        delete_tree(instance, car(p2));
        p2 = cdr(n = p2);
        delete_object(instance, n);
    } while (p2 != &alsa_lisp_nil);

    delete_tree(instance, p1);
    return &alsa_lisp_nil;
}
delete_tree(instance, p1);
delete_tree(instance, cdr(p2));
delete_object(instance, p2);
return n;
}
delete_tree(instance, car(p2));
p2 = cdr(n = p2);
delete_object(instance, n);
} while (p2 != &alsa_lisp_nil);
delete_tree(instance, p1);
return &alsa_lisp_nil;
}

/*
 * Syntax: (assq key alist)
 */
struct alisp_object * F_assq(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2, * n;
p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

do {
if (equal(p1, car(car(p2)))) {
    n = car(p2);
delete_tree(instance, p1);
delete_tree(instance, cdr(p2));
delete_object(instance, p2);
return n;
}
delete_tree(instance, car(p2));
p2 = cdr(n = p2);
delete_object(instance, n);
} while (p2 != &alsa_lisp_nil);
delete_tree(instance, p1);
return &alsa_lisp-nil;
}

/*
 * Syntax: (nth index alist)
 */
struct alisp_object * F_nth(struct alisp_instance *instance, struct alisp_object * args)
struct alisp_object * p1, * p2, * n;
long idx;

p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

if (!alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}
if (!alisp_compare_type(p2, ALISP_OBJ_CONS)) {
delete_object(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}
idx = p1->value.i;
delete_object(instance, p1);
while (idx-- > 0) {
delete_tree(instance, car(p2));
p2 = cdr(n = p2);
delete_object(instance, n);
}
n = car(p2);
delete_tree(instance, cdr(p2));
delete_object(instance, p2);
return n;
}

/*
 * Syntax: (rassq value alist)
 */
struct alisp_object * F_rassq(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2, * n;

p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

do {
if (equal(p1, cdr(car(p2)))) {

n = car(p2);
delete_tree(instance, p1);
delete_tree(instance, cdr(p2));
delete_object(instance, p2);
return n;
}
delete_tree(instance, car(p2));
p2 = cdr(n = p2);
delete_object(instance, n);
} while (p2 != &alsa_lisp_nil);
delete_tree(instance, p1);
return &alsa_lisp NIL;
}

static struct alisp_object * F_dump_memory(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = car(args);

if (p != &alsa_lisp_nil && &cdr(args) == &alsa_lisp_nil &&
alisp_compare_type(p, ALISP_OBJ_STRING)) { 
    if (strlen(p->value.s) > 0) {
        dump_objects(instance, p->value.s);
delete_tree(instance, args);
return &alsa_lisp t;
    } else
lisp_warn(instance, "expected filename");
    } else
lisp_warn(instance, "wrong number of parameters (expected string)");

delete_tree(instance, args);
return &alsa_lisp_nil;
}

static struct alisp_object * F_stat_memory(struct alisp_instance *instance, struct alisp_object * args)
{
    snd_output_printf(instance->out, "*** Memory stats\n");
snd_output_printf(instance->out, " used_objs = %li, free_objs = %li, max_objs = %li, obj_size = %i (total bytes = %li, max bytes = %li)\n",
instance->used_objs,
instance->free_objs,
instance->max_objs,
(int)sizeof(struct alisp_object),
(long)((instance->used_objs + instance->free_objs) * sizeof(struct alisp_object)),
(long)((instance->max_objs * sizeof(struct alisp_object)));
delete_tree(instance, args);
return &alsa_lisp NIL;
}
static struct alisp_object * F_check_memory(struct alisp_instance *instance, struct alisp_object * args)
{
    delete_tree(instance, args);
    if (instance->used_objs > 0) {
        fprintf(stderr, "!!!alsa lisp - check memory failed!!!\n");
        F_stat_memory(instance, &alsa_lisp_nil);
        exit(EXIT_FAILURE);
    }
    return &alsa_lisp_t;
}

static struct alisp_object * F_dump_objects(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = car(args);
    if (p != &alsa_lisp_nil && &cdr(args) == &alsa_lisp_nil &&
        alisp_compare_type(p, ALISP_OBJ_STRING)) {
        if (strlen(p->value.s) > 0) {
            dump_obj_lists(instance, p->value.s);
            delete_tree(instance, args);
            return &alsa_lisp_t;
        } else
            lisp_warn(instance, "expected filename");
    } else
        lisp_warn(instance, "wrong number of parameters (expected string)");
    delete_tree(instance, args);
    return &alsa_lisp_nil;
}

struct intrinsic {
    const char *name;
    struct alisp_object * (*func)(struct alisp_instance *instance, struct alisp_object * args);
};

static const struct intrinsic intrinsics[] = {
{ "=!", F_numneq },
{ "%", F_mod },
{ "&check-memory", F_check_memory },
{ "&dump-memory", F_dump_memory },
{ "&dump-objects", F_dump_objects },
{ "&stat-memory", F_stat_memory },
{ "*", F_mul },
{ "+", F_add },
{ "-", F_sub },
{ "/", F_div },
{ "<", F_lt },
};
{ "<=" , F_le } ,
{ "=" , F_numeq } ,
{ ">" , F_gt } ,
{ ">=" , F_ge } ,
{ "and" , F_and } ,
{ "assoc" , F_assoc } ,
{ "assq" , F_assq } ,
{ "atom" , F_atom } ,
{ "car" , F_car } ,
{ "cdr" , F_cdr } ,
{ "compare-strings" , F_compare_strings } ,
{ "concat" , F_concat } ,
{ "cond" , F_cond } ,
{ "cons" , F_cons } ,
{ "defun" , F_defun } ,
{ "eq" , F_eq } ,
{ "equal" , F_equal } ,
{ "eval" , F_eval } ,
{ "exfun" , F_exfun } ,
{ "format" , F_format } ,
{ "funcall" , F_funcall } ,
{ "garbage-collect" , F_gc } ,
{ "gc" , F_gc } ,
{ "if" , F_if } ,
{ "include" , F_include } ,
{ "list" , F_list } ,
{ "not" , F_not } ,
{ "nth" , F_nth } ,
{ "null" , F_not } ,
{ "or" , F_or } ,
{ "path" , F_path } ,
{ "princ" , F_princ } ,
{ "prog1" , F_prog1 } ,
{ "prog2" , F_prog2 } ,
{ "progn" , F_progn } ,
{ "quote" , F_quote } ,
{ "rassoc" , F_rassoc } ,
{ "rassq" , F_rassq } ,
{ "set" , F_set } ,
{ "setq" , F_setq } ,
{ "string-equal" , F_equal } ,
{ "string-to-float" , F_string_to_float } ,
{ "string-to-integer" , F_string_to_integer } ,
{ "string-to-number" , F_string_to_float } ,
{ "string=" , F_equal } ,
{ "unless" , F_unless } ,
{ "unset" , F_unset } ,
\{ "unsetf", F_unsetq \},
\{ "unsetq", F_unsetq \},
\{ "when", F_when \},
\{ "while", F_while \},
};

#include "alisp_snd.c"

static int compar(const void *p1, const void *p2)
{
    return strcmp(((struct intrinsic *)p1)->name,
                   ((struct intrinsic *)p2)->name);
}

static inline struct alisp_object * eval_cons1(struct alisp_instance *instance, struct alisp_object * p1, struct alisp_object * p2)
{
    struct alisp_object * p3;
    struct intrinsic key, *item;

    key.name = p1->value.s;

    if ((item = bsearch(&key, intrinsics,
                          sizeof intrinsics / sizeof intrinsics[0],
                          sizeof intrinsics[0], compar)) != NULL) {
        delete_object(instance, p1);
        return item->func(instance, p2);
    }

    if ((item = bsearch(&key, snd_intrinsics,
                          sizeof snd_intrinsics / sizeof snd_intrinsics[0],
                          sizeof snd_intrinsics[0], compar)) != NULL) {
        delete_object(instance, p1);
        return item->func(instance, p2);
    }

    if ((p3 = get_object(instance, p1)) != &alsa_lisp_nil) {
        delete_object(instance, p1);
        return eval_func(instance, p3, p2);
    } else {
        lisp_warn(instance, "function `%s' is undefined", p1->value.s);
        delete_object(instance, p1);
        delete_tree(instance, p2);
    }

    return &alsa_lisp_nil;
}
/* * Syntax: (funcall function args...)* */

static struct alisp_object * F_funcall(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = eval(instance, car(args)), * p1;

    if (!alisp_compare_type(p, ALISP_OBJ_IDENTIFIER) &&
        !alisp_compare_type(p, ALISP_OBJ_STRING)) {
        lisp_warn(instance, "expected an function name");
        delete_tree(instance, p);
        delete_tree(instance, cdr(args));
        delete_object(instance, args);
        return &alsa_lisp_nil;
    }

    p1 = cdr(args);
    delete_object(instance, args);
    return eval_cons1(instance, p, p1);
}

static inline struct alisp_object * eval_cons(struct alisp_instance *instance, struct alisp_object * p)
{
    struct alisp_object * p1 = car(p), * p2;

    if (p1 != &alsa_lisp_nil && alisp_compare_type(p1, ALISP_OBJ_IDENTIFIER)) {
        if (!strcmp(p1->value.s, "lambda"))
            return p;
        p2 = cdr(p);
        delete_object(instance, p);
        return eval_cons1(instance, p1, p2);
    } else {
        delete_tree(instance, p);
    }

    return &alsa_lisp_nil;
}

static struct alisp_object * eval(struct alisp_instance *instance, struct alisp_object * p)
{
    switch (alisp_get_type(p)) {
    case ALISP_OBJ_IDENTIFIER: {
        struct alisp_object *r = incref_tree(instance, get_object(instance, p));
        delete_object(instance, p);
        return r;
    }
    case ALISP_OBJ_INTEGER:
    case ALISP_OBJ_FLOAT:
case ALISP_OBJ_STRING:
case ALISP_OBJ_POINTER:
return p;
case ALISP_OBJ_CONS:
return eval_cons(instance, p);
default:
break;
}
return p;
}

static struct alisp_object * F_eval(struct alisp_instance *instance, struct alisp_object * args)
{
return eval(instance, eval(instance, car(args)));
}

/*
 * main routine
 */

static int alisp_include_file(struct alisp_instance *instance, const char *filename)
{
snd_input_t *old_in;
struct alisp_object *p, *p1;
char *name;
int retval = 0, err;

err = snd_user_file(filename, &name);
if (err < 0)
return err;
old_in = instance->in;
err = snd_input_stdio_open(&instance->in, name, "r");
if (err < 0) {
retval = err;
goto _err;
}
if (instance->verbose)
lisp_verbose(instance, "** include filename '%s'", name);

for (;;) {
if ((p = parse_object(instance, 0)) == NULL)
break;
if (instance->verbose) {
lisp_verbose(instance, "** code");
princ_object(instance->vout, p);
snd_output_putc(instance->vout, '\n');
}
p1 = eval(instance, p);
if (p1 == NULL) {
    retval = -ENOMEM;
    break;
}
if (instance->verbose) {
    lisp_verbose(instance, "** result");
    prin_object(instance->vout, p1);
    snd_output_putc(instance->vout, '\n');
}
delete_tree(instance, p1);
if (instance->debug) {
    lisp_debug(instance, "** objects after operation");
    print_obj_lists(instance, instance->dout);
}
}

snd_input_close(instance->in);
_err:
free(name);
instance->in = old_in;
return retval;
}

int alsa_lisp(struct alisp_cfg *cfg, struct alisp_instance **_instance)
{
    struct alisp_instance *instance;
    struct alisp_object *p, *p1;
    int i, j, retval = 0;

    instance = (struct alisp_instance *)calloc(1, sizeof(struct alisp_instance));
    if (instance == NULL) {
        nomem();
        return -ENOMEM;
    }
    instance->verbose = cfg->verbose && cfg->vout;
    instance->warning = cfg->warning && cfg->wout;
    instance->debug = cfg->debug && cfg->dout;
    instance->in = cfg->in;
    instance->out = cfg->out;
    instance->vout = cfg->vout;
    instance->eout = cfg->eout;
    instance->wout = cfg->wout;
    instance->dout = cfg->dout;
    INIT_LIST_HEAD(&instance->free_objs_list);
    for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++) {
        for (j = 0; j <= ALISP_OBJ_LAST_SEARCH; j++)
            INIT_LIST_HEAD(&instance->used_objs_list[i][j]);

    return retval;
}
INIT_LIST_HEAD(&instance->setobjs_list[i]);
}

init_lex(instance);

for (;;) {
if ((p = parse_object(instance, 0)) == NULL)
break;
if (instance->verbose) {
lisp_verbose(instance, "** code");
princ_object(instance->vout, p);
snd_output_putchar(instance->vout, 'n');
}
p1 = eval(instance, p);
if (p1 == NULL) {
retval = -ENOMEM;
break;
}
if (instance->verbose) {
lisp_verbose(instance, "** result");
princ_object(instance->vout, p1);
snd_output_putchar(instance->vout, 'n');
}
delete_tree(instance, p1);
if (instance->debug) {
lisp_debug(instance, "** objects after operation");
print_obj_lists(instance, instance->dout);
}
}

if (!_instance)
*_instance = instance;
else
alsa_lisp_free(instance);

return retval;
}

void alsa_lisp_free(struct alisp_instance *instance)
{
if (instance == NULL)
return;
done_lex(instance);
free_objects(instance);
free(instance);
}

struct alisp_cfg *alsa_lisp_default_cfg(snd_input_t *input)
{
  snd_output_t *output, *eoutput;
  struct alisp_cfg *cfg;
  int err;

  err = snd_output_stdio_attach(&output, stdout, 0);
  if (err < 0)
    return NULL;
  err = snd_output_stdio_attach(&eoutput, stderr, 0);
  if (err < 0) {
    snd_output_close(output);
    return NULL;
  }
  cfg = calloc(1, sizeof(struct alisp_cfg));
  if (cfg == NULL) {
    snd_output_close(eoutput);
    snd_output_close(output);
    return NULL;
  }
  cfg->out = output;
  cfg->wout = eoutput;
  cfg->eout = eoutput;
  cfg->dout = eoutput;
  cfg->in = input;
  return cfg;
}

void alsa_lisp_default_cfg_free(struct alisp_cfg *cfg)
{
  snd_input_close(cfg->in);
  snd_output_close(cfg->out);
  snd_output_close(cfg->dout);
  free(cfg);
}

int alsa_lisp_function(struct alisp_instance *instance, struct alisp_seq_iterator **result,
    const char *id, const char *args, ...)
{
  int err = 0;
  struct alisp_object *aargs = NULL, *obj, *res;

  if (args && *args != 'n') {
    va_list ap;
    struct alisp_object *p = NULL;
    va_start(ap, args);
    while (*args) {
      if (*args++ != '%')
        break;
      p = va_arg(ap, struct alisp_object);
      res = alisp_seq_iterator_add(result, p);
      *aargs = p;
    }
    va_end(ap);
  }
  return err;
}
err = -EINVAL;
break;
}
if (*args == '\0') {
err = -EINVAL;
break;
}
obj = NULL;
err = 0;
switch (*args++) {
case 's':
obj = new_string(instance, va_arg(ap, char *));
break;
case 'i':
obj = new_integer(instance, va_arg(ap, int));
break;
case 'l':
obj = new_integer(instance, va_arg(ap, long));
break;
case 'f':
case 'd':
obj = new_integer(instance, va_arg(ap, double));
break;
case 'p': {
char _ptrid[24];
char *ptrid = _ptrid;
while (*args && *args != '%')
*ptrid++ = *args++;
*ptrid = 0;
if (ptrid == _ptrid) {
err = -EINVAL;
break;
}
obj = new_cons_pointer(instance, _ptrid, va_arg(ap, void *));
obj = quote_object(instance, obj);
break;
}
default:
err = -EINVAL;
break;
}
if (err < 0)
goto __args_end;
if (obj == NULL) {
err = -ENOMEM;
goto __args_end;
}
if (p == NULL) {

p = aargs = new_object(instance, ALISP_OBJ_CONS);
} else {
p->value.c.cdr = new_object(instance, ALISP_OBJ_CONS);
p = p->value.c.cdr;
}
if (p == NULL) {
err = -ENOMEM;
goto __args_end;
}
p->value.c.car = obj;
}
__args_end:
va_end(ap);
if (err < 0)
return err;
#endif
snd_output_printf(instance->wout, ">>>")
princ_object(instance->wout, aargs);
snd_output_printf(instance->wout, "<<<\n")
#endif
}
err = -ENOENT;
if (aargs == NULL)
aargs = &alsa_lisp_nil;
if ((obj = get_object1(instance, id)) != &alsa_lisp_nil) {
res = eval_func(instance, obj, aargs);
err = 0;
} else {
struct intrinsic, *item;
key.name = id;
if ((item = bsearch(&key, intrinsics,
sizeof intrinsics / sizeof intrinsics[0],
sizeof intrinsics[0], compar)) != NULL) {
res = item->func(instance, aargs);
err = 0;
} else if ((item = bsearch(&key, snd_intrinsics,
sizeof snd_intrinsics / sizeof snd_intrinsics[0],
sizesof snd_intrinsics[0], compar)) != NULL) {
res = item->func(instance, aargs);
err = 0;
} else {
res = &alsa_lisp_nil;
}
}
if (res == NULL)
err = -ENOMEM;
if (err == 0 && result) {
*result = res;
} else {
    delete_tree(instance, res);
}

return 0;
}

void alsa_lisp_result_free(struct alisp_instance *instance,
    struct alisp_seq_iterator *result)
{
    delete_tree(instance, result);
}

int alsa_lisp_seq_first(struct alisp_instance *instance, const char *id,
struct alisp_seq_iterator **seq)
{
    struct alisp_object * p1;

    p1 = get_object1(instance, id);
    if (p1 == NULL)
        return -ENOMEM;
    *seq = p1;
    return 0;
}

int alsa_lisp_seq_next(struct alisp_seq_iterator **seq)
{
    struct alisp_object * p1 = *seq;
    p1 = cdr(p1);
    if (p1 == &alsa_lisp_nil)
        return -ENOENT;
    *seq = p1;
    return 0;
}

int alsa_lisp_seq_count(struct alisp_seq_iterator *seq)
{
    int count = 0;

    while (seq != &alsa_lisp_nil) {
        count++;
        seq = cdr(seq);
    }
    return count;
}
int alsa_lisp_seq_integer(struct alisp_seq_iterator *seq, long *val)
{
    if (alisp_compare_type(seq, ALISP_OBJ_CONS))
        seq = seq->value.c.cdr;
    if (alisp_compare_type(seq, ALISP_OBJ_INTEGER))
        *val = seq->value.i;
    else
        return -EINVAL;
    return 0;
}

int alsa_lisp_seq_pointer(struct alisp_seq_iterator *seq, const char *ptr_id, void **ptr)
{
    struct alisp_object * p2;

    if (alisp_compare_type(seq, ALISP_OBJ_CONS) &&
        alisp_compare_type(seq->value.c.car, ALISP_OBJ_CONS))
    {
        seq = seq->value.c.car;
        if (alisp_compare_type(seq, ALISP_OBJ_CONS))
            p2 = seq->value.c.car;
        if (!alisp_compare_type(p2, ALISP_OBJ_STRING))
            return -EINVAL;
        if (strcmp(p2->value.s, ptr_id))
            return -EINVAL;
        p2 = seq->value.c.cdr;
        if (!alisp_compare_type(p2, ALISP_OBJ_POINTER))
            return -EINVAL;
        *ptr = (void *)seq->value.ptr;
    } else
    return -EINVAL;
return 0;
}

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import com.fasterxml.jackson.core.Versioned;
import com.fasterxml.jackson.core.util.VersionUtil;

/**
 * Automatically generated from PackageVersion.java.in during
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 * pom.xml.
 */
public final class PackageVersion implements Versioned {
    public final static Version VERSION = VersionUtil.parseVersion(
        "@projectversion@", "@projectgroupid@", "@projectartifactid@");

    @Override
    public Version version() {
        return VERSION;
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1.1125 python-cffi 1.11.5 1

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20180516ubuntu1~18.04.1

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

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

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

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

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

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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

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

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

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

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

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

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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```json
{
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        'openssl_defines_BSD-x86_64': [
            'NDEBUG',
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            'OPENSSL_CPUID_OBJ',
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'POLY1305_ASM',
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'openssl_cflags_BSD-x86_64': [
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'openssl_cli_srcs_BSD-x86_64': [
    'openssl/apps/asn1pars.c',
    'openssl/apps/ca.c',
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`openssl/apps/s_cb.c',
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},
'defines': ['<@(openssl_defines_BSD-x86_64)]
,'include_dirs': [
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,'libraries': ['<@(openssl_ex_libs_BSD-x86_64)]
,'sources': ['<@(openssl_cli_srcs_BSD-x86_64)]
}

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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation

============================================================================
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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};
assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +
      '"UNLICENSED", or ' +
      '"SEE LICENSE IN <filename>"',
      'license is similar to the valid expression "Apache-2.0"'
    ]
  }
);
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
```javascript
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    '"UNLICENSED", or ' +
    '"SEE LICENSE IN <filename>"',
  ],

  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
};

assert.deepEqual(
  valid('MIT OR LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'LICENSE.txt'
)

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  
```
```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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The End

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Tests included here are based on build output generated by the six-speed benchmark suite.

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//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', 'AFL-1.2', ...
ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
```
ids.includes('GPL-3.0'); //= false
```
```javascript
### require('spdx-license-ids/deprecated')
Type: `<Array<string>>`
Deprecated license IDs.
```
```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
 //= ['AGPL-1.0', 'AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...]
```
deprecatedIds.includes('BSD-3-Clause'); //= false
deprecatedIds.includes('CC-BY-1.0'); //= false
deprecatedIds.includes('GPL-3.0'); //= true
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    'RC4_ASM',
    'MD5_ASM',
    'VPAES_ASM',
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}
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// Original can be found at:
// https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01

// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[{}])
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1.1159 jersey-client 2.25.1

1.1160 kerberos 1.16 2ubuntu0.1

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_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
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
kprop/kpropd_rpc.c
kprop/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in `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/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
   kprop/kpropd_rpc.c
   kprop/kproplog.c

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- cmd/krb5/slave/kpropd_rpc.c
- lib/gss_mechs/mach_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
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- lib/krb5/kdb/kdb_hdr.h
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- 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
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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')
        else:
            if code_seen:
                warn(fname, ln, 'License after code')

            if line.startswith('#'):  # Check comments outside of code blocks
                warn(fname, ln, 'License in comment')
            elif line.strip():  # Check non-empty lines outside of code blocks
                warn(fname, ln, 'License in comment')

    return is_license
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('*').lstrip())
    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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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/WordDelimiterGraphTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/TrimTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/PatternReplaceTokenFilterFactory.java
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* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/BengaliNormalizationFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/StemmerOverrideTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/PredicateTokenFilterScriptFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/SnowballAnalyzer.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/ThaiTokenizerFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/ScandinavianFoldingFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/FrenchStemTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/ESSolrSynonymParser.java
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* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/ScandinavianNormalizationFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/ApostropheFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/ArabicStemTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/CJKBigramFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/DecimalDigitFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/PatternAnalyzerProvider.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/SimplePatternTokenizerFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/PathHierarchyTokenFilter.java
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* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources-jar/org/elasticsearch/analysis/common/BasqueAnalyzerProvider.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/SnowballAnalyzerProvider.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/SimplePatternSplitTokenizerFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/LengthTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/CommonGramsTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/RemoveDuplicatesTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/CJKWidthFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/RussianStemTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/HyphenationCompoundWordTokenFilterFactory.java
* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/KeepWordFilterFactory.java
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* /opt/ws_local/PERMITS_SQL/1075330972_1596109191.73/0/analysis-common-7-6-2-sources.jar/org/elasticsearch/analysis/common/ClassicFilterFactory.java
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* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-jar/org/apache/cassandra/utils/memory/MemtableAllocator.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-jar/org/apache/cassandra/utils/btree/BTreeRemoval.java
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* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-jar/org/apache/cassandra/tools/StandaloneScrubber.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-jar/org/apache/cassandra/utils/btree/BTreeSet.java
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* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources.jar/org/apache/cassandra/cql3/selection/RawSelector.java
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* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources.jar/org/apache/cassandra/metrics/RestorableMeter.java
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* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources.jar/org/apache/cassandra/io/sstable/Downsampling.java
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* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources.jar/org/apache/cassandra/utils/btree/UpdateFunction.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources.jar/org/apache/cassandra/net/WriteCallbackInfo.java
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  jar/org/apache/cassandra/db/utils/OverlapIterator.java
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  jar/org/apache/cassandra/db/ClusteringBoundOrBoundary.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-
  jar/org/apache/cassandra/cql3/selection/SelectionColumns.java
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  jar/org/apache/cassandra/index/internal/CassandraIndex.java
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  jar/org/apache/cassandra/tracing/ExpiredTraceState.java
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  jar/org/apache/cassandra/db/lifecycle/LogRecord.java
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  jar/org/apache/cassandra/db/transform/BaseIterator.java
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  jar/org/apache/cassandra/db/commitlog/EncryptedFileSegmentInputStream.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-
  jar/org/apache/cassandra/repair/RepairParallelism.java
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  jar/org/apache/cassandra/utils/ObjectSizes.java
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  jar/org/apache/cassandra/utils/concurrent/Ref.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-
  jar/org/apache/cassandra/tools/JsonTransformer.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-
  jar/org/apache/cassandra/index/internal/IndexEntry.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-
  jar/org/apache/cassandra/io/util/LimitingRebufferer.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources-
  jar/org/apache/cassandra/utils/concurrent/Refs.java
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  jar/org/apache/cassandra/utils/memory/EnsureOnHeap.java
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  jar/org/apache/cassandra/db/lifecycle/SSTableSet.java
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jar/org/apache/cassandra/tools/LoaderOptions.java
* /opt/ws_local/PERMITS_SQL/1046095248_1589850979.66/0/cassandra-all-3-11-6-sources.jar/org/apache/cassandra/concurrent/LocalAwareExecutorService.java
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/**
 * Function to skip cells (from an iterator) that are not part of those queried by the user
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 * for more details.
 */
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tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.
Version: 1.1.2
Entered-date: 23MAR97
Description: C-functions for parsing command line options, both
traditional one-character options, and GNU'ish
--long-options.
Keywords: programming, library, lib, commandline, options
Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)
Primary-site: http://www.ifi.uio.no/~sverrehu/pub-unix/
Alternate-site: sunsite.unc.edu /pub/Linux/libs
shhopt-1.1.2.tar.gz
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.1187 tomcat-jasper 9.0.35

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1.1188 python-chardet 2.2.1 3.el7

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1.1194 jackson-jaxrs-json-provider 2.10.2

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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1.1195 kmod 20-25.el7_7.1
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`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`
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_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
kprop/kpropd_rpc.c
kprop/kproplog.c

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

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

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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
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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
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Any executables containing that work also fall under Section 6,
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uses the Library", as object code and/or source code, so that the
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executable containing the modified Library. (It is understood
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rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
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c) Accompany the work with a written offer, valid for at
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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
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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
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

------
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

------
Assorted

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1.1211 python 3.8.2-r1

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

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

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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/TypeReference.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/TypePath.java

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*/
/**
* Creates a new [Link GeneratorAdapter](#GeneratorAdapter). <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [Link #GeneratorAdapter(int, MethodVisitor, int, String, String)]

* version.
* 
* @param mv
* the method visitor to which this adapter delegates calls.
* @param access
* the method’s access flags (see {@link Opcodes}).
* @param name
* the method’s name.
* @param desc
* the method’s descriptor (see {@link Type Type}).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/GeneratorAdapter.java
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*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {
 * @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see @link Opcodes). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see @link Type).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * @link Type#getInternalName() getInternalName()). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/commons/JSRInlinerAdapter.java
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/**
 * Creates a new [AnalyzerAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
 * version.
 *
 * @param owner
 *      the owner's class name.
 * @param access
 *      the method's access flags (see [Opcodes]).
 * @param name
 *      the method's name.
 * @param desc
 *      the method's descriptor (see [Type]).
 * @param mv
 *      the method visitor to which this adapter delegates calls. May
 *      be <tt>null</tt>.
 * @throws IllegalStateException
 *      If a subclass calls this constructor.
 */

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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/InsnNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/Attribute.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/Method.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/Remapper.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/LabelNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/Edge.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/MethodWriter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/NameMapping.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/Label.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/FieldWriter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/Handler.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/ByteVector.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/tree/MethodNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/util/ASMifier.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1.jar/org/objectweb/asm/tree/VarInsnNode.java
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*/
/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link #Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 *          If a subclass calls this constructor.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
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/**
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #ClassNode(int)}
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
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jar/org/objectweb.asm/xml/ASMContentHandler.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
jar/org/objectweb.asm/xml/SAXCodeAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
jar/org/objectweb.asm/xml/SAXAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
jar/org/objectweb.asm/xml/SAXFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
jar/org/objectweb.asm/xml/SAXAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
jar/org/objectweb.asm/xml/Processor.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
jar/org/objectweb.asm/xml/SAXClassAdapter.java

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/**
 * Constructs a new [{@link LocalVariableAnnotationNode}]. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * [{@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See [{@link TypeReference}].
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of the annotation class.
 */
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/shrink.properties
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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/shrink-signatures.properties

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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/tree/analysis/package.html
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/commons/package.html
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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/ASMifiable.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/util/Textifiable.java

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  jar/org/objectweb/asm/xml/package.html

1.1218 scala Logging 3.8.0

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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
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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
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.1240 curl 7.58.0 2ubuntu3.8

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1.1250 reflections 0.9.12
1.1250.1 Available under license:

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 * The reflection project, is collection of reflection tools I've picked up
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* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/utils/ClassInstantiationUtility.java
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jar/com/nu/art/reflection/extractor/Extractor.java
1.1251 gettext 0.20.1-r2

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@end ifinfo

@section Appendix: How to Apply These Terms to Your New Programs

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

@example
@var{one line to give the program's name and a brief idea of what it does.} 
Copyright (C) @var{yyyy}  @var{name of author}

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@example
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:

@example
Gnomovision version 69, Copyright (C) @var{year}  @var{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 @samp{show w} and @samp{show c} should show
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commands you use may be called something other than \texttt{show w} and
\texttt{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:

@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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Version 2.1, February 1999

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

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

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

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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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.

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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.

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Mike Belshe (mbelshe@netscape.com)
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1.1263 mime-pull 1.9.6

1.1264 lz4 0.0~r131-2+b1
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1.1266 protobuf 3.12.2-r0
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Will Pierce <willp@nuclei.com>
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* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
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* Optimize Java serialization of strings so that UTF-8 encoding happens only
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* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
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Kacper Kowalik <xarthissius.kk@gmail.com>
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* Added atomicops for Solaris
Andrew Paprocki <andrew@ishibo.com>
* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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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.

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

one line to give the program's name and an idea of what it does.
Copyright (C) 19yy  name of author

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

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
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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:

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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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License instead of this License.

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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.]

Preamble

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

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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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
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on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   (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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In addition, mere aggregation of another work not based on the Library
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Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

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

4. You may copy and distribute the Library (or a portion or
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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
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work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

6. As an exception to the Sections above, you may also 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
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which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license
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use both them and the Library together in an executable that you
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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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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freedom to share and change it. By contrast, the GNU General Public
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if you want it, that you can change the software or use pieces of it
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To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
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you distribute copies of the library, or if you modify it.

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

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

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

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

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

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

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

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

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

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

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

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

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

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o libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.
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o libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS.
http://code.google.com/p/libdnet/
o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory.
http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language
of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.
http://www.lua.org/

- OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
http://www.openssl.org/

- LIBLINEAR. Used for IPv6 OS classification.
  http://www.csie.ntu.edu.tw/~cjlin/liblinear/


On Windows only, Nmap uses:
- WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
http://www.winpcap.org/

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Zenmap and Ndiff require:
- Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
http://www.python.org/

The Windows and Mac OS X binary packages include bundled versions of:
- GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
http://www.gtk.org/

- Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1.
http://www.cairographics.org/

- libgailutil: Accessibility support for GTK+.

- libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.

- zlib and bzip2: compression libraries.

- Expat: XML parser library.
http://expat.sourceforge.net/

- fontconfig: font configuration library.
http://www.fontconfig.org/

- FreeType: font rendering library.
http://www.freetype.org/
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http://xmlsoft.org/
o SQLite.
http://www.sqlite.org/
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http://www.pygtk.org/
o PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1.

The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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src/assuan-pipe-server.c
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src/assuan-socket-server.c
src/assuan-socket.c
src/assuan-uds.c
src/client.c
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src/memrchr.c
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src/posix-includes.inc.h
src/posix-sock-nonce.inc.h
src/posix-sys-pth-impl.h
src/posix-types.inc.h
src/putc_unlocked.c
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src/system-posix.c
src/system-w32.c
src/system-w32ce.c
src/system.c
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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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

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<thead>
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</tr>
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1.1277 dropwizard-lifecycle 1.3.24

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (a, b) => ... \}
val x: ((Int, Int) => Int) = (((a, b)) => a)
^}

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... \}
val y: ((Int, Int) => Int) = (((a, !!)) => a)
^}

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,
or consider a pattern matching anonymous function: `\{ case (param1, ..., param3) => ... \}
val z: ((Int, Int, Int) => Int) = \((a, NotAPatternVariableName, c)) => a\)

^  
3 errors
Scala

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

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
   - Unix SMB/CIFS implementation.
+  trivial database library - standalone version

-  trivial database library - private includes
-
-  Copyright (C) Andrew Tridgell  2005
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This package was put together by Yann Dirson <dirson@debian.org>,
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tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o
23-June-2007

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Version 2, June 1991

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

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Ty Coon, President of Vice

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

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

From the original distribution:

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

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

http://sourceforge.net/projects/e2fsprogs

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

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

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$\$(BSD_LIB)

\$(BSD_LIB): $\$(OBJ)
(cd pic; ld -bshareable -o $\$(BSD_LIB) $\$(LDFLAGS_SHLIB) $\$(OBJ))
\$(MV) pic/\$(BSD_LIB)
\$(RM) -f $\$(BSD_LIB)
(cd ..; $\$(LN) $\$(LINK_BUILD_FLAGS) `echo $\$(my_dir) | sed -e 's;lib/;;'" $\$(BSD_LIB) $\$(BSD_LIB))

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

1.1287 libonig 6.1.3-2
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*/

1.1288 coreutils 8.28 1ubuntu1

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(This file is under construction.)

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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com.fasterxml.jackson.dataformat.smile.SmileFactory

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018365519_1591368625.75/0/jackson-dataformat-smile-2-8-11-sources-jar/META-INF/services/com.fasterxml.jackson.core.JsonFactory

1.1294 python-defaults 3.5.3 1

1.1294.1 Available under license:
This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

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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```
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```

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

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

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

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

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* /opt/ws_local/PERMITS_SQL/1075330982_1596109008.06/0/lang-painless-7-6-2-sources-jar/org/elasticsearch/painless/node/SCatch.java
* /opt/ws_local/PERMITS_SQL/1075330982_1596109008.06/0/lang-painless-7-6-2-sources-jar/org/elasticsearch/painless/action/PainlessContextMethodInfo.java
* /opt/ws_local/PERMITS_SQL/1075330982_1596109008.06/0/lang-painless-7-6-2-sources-jar/org/elasticsearch/painless/PainlessPlugin.java
* /opt/ws_local/PERMITS_SQL/1075330982_1596109008.06/0/lang-painless-7-6-2-sources-jar/org/elasticsearch/painless/node/ECast.java
* /opt/ws_local/PERMITS_SQL/1075330982_1596109008.06/0/lang-painless-7-6-2-sources-jar/org/elasticsearch/painless/node/ERegex.java
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*/

/**
* Painless invokedynamic bootstrap for the call site.
* <p>
* Has 11 flavors (passed as static bootstrap parameters): dynamic method call, dynamic field load (getter), and dynamic field store (setter), dynamic array load, dynamic array store, iterator, method reference, unary operator, binary operator, shift operator, and dynamic array index normalize.
* <p>
* When a new type is encountered at the call site, we lookup from the appropriate
* whitelist, and cache with a guard. If we encounter too many types, we stop caching.
* <p>
* Based on the cascaded inlining cache from the JSR 292 cookbook
* (https://code.google.com/archive/p/jsr292-cookbook/, BSD license)
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1075330982_1596109008.06/0/lang-painless-7-6-2-sources-
  jar/org/elasticsearch/painless/DefBootstrap.java

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   * @version 3.0 (December 2000)
   *
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   *
   * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
   * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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man/explicit_bzero.3
man/fgetln.3
man/fgetwln.3
man/funopen.3bsd
man/getbsize.3
man/heapsort.3
man/nlist.3
man/queue.3bsd
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man/reallocarray.3
man/reallocf.3
man/setmode.3
man/strmode.3
man/strnstr.3
man/unvis.3
man/vis.3
man/wcsclidean.3
src/getbsize.c
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man/strtonum.3
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src/arc4random_uniform.c
src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
src/getentropy_linux.c
src/getentropy_osx.c
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**1.1326 bzip2 1.0.6**

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Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0.2 of 30 December 2001

/*
minibz2
libbz2.dll test program.
by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)
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usage: minibz2 [-d] [-{1,2,..9}] [srcfilename] destfilename
*/
1.1327 python 2.7.17-1~18.04ubuntu1

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

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

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<li>Franois Staes &lt;fstaes@#064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer &lt;wdittmer@#064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.</li>
<li>Perez Paz Luis Alberto &lt;laperez@#064banxico.org.mx&gt; - patch to use of BitString in X.500 name.</li>
<li>James Wright &lt;James_Wright@#064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>
<li>Jim Ford &lt;jim@#064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
<li>Michael Hausler &lt;maeusler@#064ponton-consulting.de&gt; - extra aliases for provider.</li>
<li>Sai Pullabhota &lt;spai@#064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
<li>Joseph Miller &lt;joseph@#064digieweb.net.nz&gt; - addition of ZeroBytePadding.</li>
<li>Lars &lt;xyz@#064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.
Jeroen van Vianen &lt;jeroen@vanvianen.nl&gt; - the Signed and Encrypted mail example.

Jun Sun &lt;JSun@064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem &lt;pdukem@064email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva &lt;filipe.silva@wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar &lt;alps@064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach &lt;jgengelbach@064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug &lt;doug@064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy &lt;mmundy1@064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.

Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.

Breitenstrom Christian &lt;C.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendoni &lt;nascendoni@064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skytta@064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

Bruce Gordon &lt;bruce.gordon@064savvis.net&gt; - patch to secret key creation encoding NullPointerExeception in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amoliner@064evintia.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo &lt;javi@064javlicoder.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala &lt;joni.hahkala@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project&lt;/a&gt; for making the work available.

Rolf Schillinger &lt;rolf@064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.

Sergey Bahtin &lt;Sergey_Bahtin@yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

Franck Leroy &lt;Franck.Leroy@064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiko Yamanaka &lt;tymnk@064javlicoder.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov &lt;tyrex@064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial in set in TSP implementation, additional compliance testing.

Steve Mitchell &lt;mitcheill@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.
Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

- Dirk Eisner &lt;d.eisner@064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.
- Julien Pasquier &lt;julienpasquier@064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.
- Matteo &lt;matartuso@064libero.it&gt; - sequence path to ASN1Dump.
- Andrew Paterson &lt;andrew.paterson@064burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.
- Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.
- Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.
- Pavel Vassiliev &lt;paulvas@064gmail.com&gt; - Initial GOST28147Mac implementation.
- Tom Pesman &lt;tom@064tnux.net&gt; - addition of DES-ede encryption for RSAPrivate keys to PEMWriter.
- Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.
- Arndt Hasch &lt;Arndt.Hasch@064maxence.de&gt; - additional fix for partial reading with new style PGP packets.
- Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirpool.
- David M. Lee &lt;dmlee@064crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.
- Mike Dillon &lt;md5@064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.
- tu-vi cung &lt;tcung@064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.
- Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.
- Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.
- Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.
- Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.
- Remi Blancher &lt;Remi.Blancher@064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.
- Brian O'Rourke &lt;bianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.
- Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.
- David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.
- Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.
- Lawrence Tan &lt;lwrmctan@064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.
- Carlos Valiente &lt;superdupont@064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.
<li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc&amp;#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jouanlrg Eichhorn &lt;eichhorn&amp;#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputSteam, support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand&amp;#064online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
<li>Carlos Lozano Ruiz &lt;carlos&amp;#064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock&amp;#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>Stefan Neusatz Guilhen &lt;sneusatz&amp;#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
<li>Marzio Lo Giudice &lt;marzio.logiudice&amp;#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lippold &lt;georg.lippold&amp;#064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles&amp;#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen &lt;Pasi.Eronen&amp;#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Maria Ivanova &lt;mariivaivanova&amp;#064gmail.com&gt; - support for tags &gt; 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha&amp;#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schiller &lt;mschiller&amp;#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vouch &lt;xavier&amp;#064brittanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews&amp;#064cde.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>
<li>Thomas Dixon &lt;reikomusha&amp;#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info&amp;#064frankcornelis.be&gt; - addition of crlAccessMethod in
X509ObjectIdentifiers. </li>
<li>Rui Joaquim &lt;rjoaquim@cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;d.stacey@allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@604mitm.nl&gt; - better exception handling in CMS enveloping, ”just in time” modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@#$644gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g@#$644artner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
<li>Olga K&amp;uuml;thler &lt;olga.kaethler@#$644hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo@#$644gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>N&amp;uuml;ria Mar&amp;iacute; &lt;numaa@#$644hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Janis Schuller &lt;js@#$644zi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike@#$644samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@#$644comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, neitherWithECDSA, updates to KeyPurposes.</li>
<li>Ramon Keller &lt;ramon.keller@#$644gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@#$644nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gffi@#$644ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier &lt;julienpasquier@#$644free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@#$644mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;gwozdziu@#$644rgp.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalkow@#$644tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMack.</li>
<li>Tal Yacobi &lt;tal.yacobi@#$644octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@#$644gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@#$644gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
<li>J Ross Nicoll &lt;jrn@#$644jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavricknz@#$644yahoo.com&gt; - patch to construtor for CRMF CertSequence.</li>
<li>Gabriele Contini &lt;g.contini@#$644hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEFs.</li>
<li>Roelof Naude &lt;roelof.naude@#$644epiuise.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck &lt;peck@#$644signatureen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay &lt;lemaymd@#$644lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre &lt;ale@#$644FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest
Michael Schoene &lt;michael#064sigrid-und-michael.de&gt; - fix of improper handling of null in
ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in
TimeStampResponse.validate().</p>

Ion Larrañaga &lt;ilarra#064s21sec.com&gt; - fix to default partial packet generation in
BCGPOutputStream.</p>

Bob Kerns &lt;bob.kerns#064positscience.com&gt; - fix to hashCode for X509CertificateObject.</p>

Stefan Meyer &lt;stefan.meyer#064ewe.de&gt; - backport for PKIXCertPathValidator and
SMIMESignedMailReviewer.</p>

Robert J. Moore &lt;Robert.J.Moore#064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room
JCE patches.</p>

Rui Hodai &lt;rui#064po.ntts.co.jp&gt; - speed up for Camellia implementation, CamelliaLightEngine.</p>

Emer Bucalovic &lt;emer.bucalovic#064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</p>

Torbjorn Svensson &lt;totbe79#064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.</p>

Paul FitzPatrick &lt;bouncyca...fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</p>

Henrik Andersson &lt;k.henrik.andersson#064gmail.com&gt; - addition of UniqueIssuerID to certificate
generation.</p>

Cagdas Cirit &lt;cagdascirit#064gmail.com&gt; - controlAlternativeName fix for x.509CertStoreSelector.</p>

Harakiri &lt;harakiri_23#064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.</p>

Pedro Henriques &lt;pmahenriques#064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code
simplification for OAEPEncoding.</p>

Lothar Kiemeringer &lt;job#064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for
DERExternal.</p>

Richard Farr &lt;rfarr.se#064gmail.com&gt; - initial SRP-6a implementation.</p>

Thomas Castiglione &lt;castiglione#064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.</p>

Elisabetta Romani &lt;teromani#064sogei.it&gt; - patch for recognising multiple counter signatures.</p>

Robin Lundgren &lt;r737lundgren#064gmail.com&gt; - CMPCertificate constructor from
X509CertificateStructure fix.</p>

Petr Kadlec &lt;mormegil#064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.</p>

Andreas Antener &lt;antener_a#064gmx.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.</p>

Harendra Rawat &lt;hsrawat#064yahoo.com&gt; - fix for BERConstructedOctetString.</p>

Rolf Lindemann &lt;ro...trustcenter.de&gt; - patch for PKCS12 key store to support more flexible
attribute specifications [BMA-42].</p>

Alex Artamonov &lt;alexart.home#064gmail.com&gt; - name look up patch for GOST-2001 parameters.</p>

Mike Lyons &lt;mlyons#064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSE EC
naming conventions.</p>

Chris Cole &lt;chris_h_cole#064yahoo.com&gt; - identified a problem handling null passwords when loading a
BKS keystore.</p>

Tomas Krivanek &lt;tom#064atack.cz&gt; - added checking of Sender header to SignedMailValidator.</p>

Michael &lt;emfau#064t-online.de&gt; - correction of field error in getResponse method in
CertRepMessage.</p>

Trevor Perrin &lt;trevor#064cryptography.com&gt; - addition of constant time equals to avoid possible timing
attacks.</p>

Markus Kiläring &lt;markus#064primekey.se&gt; - several enhancements to
TimeStampResponseGenerator.</p>

Dario Novakovic &lt;darionis#064yahoo.com&gt; - fix for NPE when checking revocation reason on CRL.
without extensions.</li>
<li>Michael Smith &lt;michael.smith@cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio@cbnco.com&gt; fix for PEM password encryption of private keys.</li>
<li>Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BIA-291].</li>
<li>Wayne Grant &lt;wayne.grant@cbnco.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis &lt;info@frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner &lt;jan@dittberner.info&gt; addHeader patch for SMIME generator.</li>
<li>Bob McGowan &lt;bob.mcgo@cbnco.com&gt; patch to support different object and mgf digests in PSS signing.</li>
<li>Ivo Matheis &lt;ivo.matheis@cbnco.com&gt; fix to padding verification in ISO-9796-1.</li>
<li>Alf Malf &lt;alf.malf@cbnco.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso.massa@cbnco.com&gt; contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo &lt;gboccardo@cbnco.com&gt; initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu &lt;arnis@cbnco.com&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikocinski &lt;J.Sikocinski@cbnco.com&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev &lt;jhudolejev@cbnco.com&gt; JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten &lt;lianev@cbnco.com&gt; fine tuning of code for DHParameter validation.</li>
<li>Shawn Willden &lt;swillden@cbnco.com&gt; additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev &lt;akrachev@cbnco.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking &lt;mickael.laiking@cbnco.com&gt; initial cut of EAC classes.</li>
<li>Tim Buktu &lt;tbuktu@cbnco.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Steiing Inge Morisbak &lt;steininge@cbnco.com&gt; Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid@cbnco.com&gt; Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil.steitz@cbnco.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin &lt;ignat.korchagin@cbnco.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
<li>Peter Petrov &lt;peter.petrov@cbnco.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick &lt;daniel.f.nwr@cbnco.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson &lt;andy.neilson@cbnco.com&gt; a further patches to deal with multiple providers and PEMReader.</li>
<li>Phil Shaw &lt;phil.shaw@cbnco.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth &lt;Eleriseth@cbnco.com&gt; speed up
for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny@qode.b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;pilf_b@064g@yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bc@064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Kenny Root &lt;kenny@the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Brian Carlstrom &lt;bc@064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Sergio Lerner &lt;sergiolerner@certimix.com&gt; pointing out isInfinity issue in ECDSA &lt;Signature verification.&gt;</li>
<li>Tim Whittington &lt;Tim.Whittington@orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSD BCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad &lt;marcus.lundblad@064primekey.se&gt; patch for working around JDK Jarsigners TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin &lt;zhozhin@064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;t5555d@064gmail.com&gt; initial cut of DVCS classes.</li>
<li>Damian Kolasz &lt;fattfredyy@064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes &lt;ashley.hughes@064blueyonder.co.uk&gt; patches for supporting PGP<sub>Signature</sub>/PGPSecret<sub>Key</sub> encodings with empty private keys, initial code for PGP<sub>Signature</sub>SubpacketVector.getEmbeddedSignatures().</li>
<li>Daniel Hirscher &lt;dev@064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PGM files.</li>
<li>Daniele Ricci &lt;daniele.athome@064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
<li>Mathias Herberts &lt;Mathias.Herberts@064gmail.com&gt; fix to inOff usage in RFC3394&sub;WrapEngine.</li>
<li>Daniil Ivanov &lt;danii.ivanov@064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.</li>
<li>Daniele Grasso &lt;daniele.grasso@064gmail.com&gt; contributions to final Key calculation code for SRP6.</li>
<li>Andrey Utkin &lt;cindrhc@064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.
- Arnis Tartu &lt;arnis@ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.
- Axel VDB &lt;axel-vdb@#064riseup.net&gt; initial implementation of Shacal2.
- Roberto Tyley &lt;&gt; further work on completing gradle build.
- Waldemar Dick &lt;wdick@#064devmue.de&gt; code improvement in x500 ASN.1 package.
- Sid Steward &lt;sid.steward@#064pdflabs.com&gt; code improvements to ASN1Boolean.
- Alex Klyubin &lt;klyubin@#064google.com&gt; AlgorithmParameters check for EC key agreement.
- Jonathan Gillett &lt;gsoc.student@#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.
- Andreas Reiter &lt;andreas.reiter@#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.
- Kieran Miller &lt;kieran.miller@#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.
- Oliver Ehli&lt;ehli@#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.
- Daniel Heldt&amp;lt;Daniel.Heldt@#064cryptovision.com&gt; Initial support for encodable state message digests.
- Robert Bushman &lt;bouncycastle@#064traxel.com&gt; Clean up of DirectKeySignature example.
- Maurice Aarts &lt;aarts@#064risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.
- Franziskus Kiefer&amp;lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.
- KB Sriram&amp;lt;mail_kb@#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.
- Marco Schulzle&amp;lt;marco@#064nightlabs.de&gt; Reported verification bug in GenericSigner.
- Martin Schaefer&amp;lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.
- dstutz&amp;lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.
- Tobias Wich&amp;lt;tosias.wich@#064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.
- Hauke Mehrtens&amp;lt;hauke@#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.
- Daniel Zimmerman&amp;lt;dmz@#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.
- Jens Kapitza&amp;lt;j.kapitza@#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.
- Johan Eklund&amp;lt;johann@#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.
- nikosn&amp;lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.
- Axel von dem Bruch &lt;axel-vdb@#064riseup.net&gt; Contributions to BCrypt/OpenBSD BCrypt, original version of Blake2bDigest.
- Derek Atkins &lt;derek@#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.
- Peter Jr Halicky &lt;peto@#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.
- lartiguePierre&amp;lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.
- Thomas Belot&amp;lt;thomas.belot+BC@#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.
- Rich DiCroce&amp;lt;https://github.com/rdcroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.
- Bj&ouml;rn Kautler&amp;lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).
Dominik Schürmann method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael &lt;MSKnete&#064;web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys.

Tobias Wagner &lt;tobias.wagner&#064;n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

Sergio Giro &lt;sgiro&#064;google.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMS&nbs...
Evangelos Karatsiolis <&lt;ekaratsiolis&#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>

VivleSoren <https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>

mtausig <https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>

Anders Schack-Mulligen <https://github.com/aschackmull&gt; code cleanups for CMSSignedDataParser, BrokenKDF2BytesGenerator.</li>

Sebastian Wolfgang Roland <https://sebastianwolfgang.roland&#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>

didisoft <https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>

Mike Safonov <https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>

Artem Storozhuk <storojs72&#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>

Andreas Glaser <https://github.com/AndreasGlaser&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>

codeborne <https://github.com/chxbp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>

FauxFaux <https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>

4garbage <https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>

ekszzz &lt;https://github.com/ekszzz&gt; corrections to SM2 signer to include default identity value.</li>

jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.</li>

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.</li>

Scott Woodward <scott#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.</li>

David Strawn <https://github.com/isomarcte&gt; fix for off by one error in SCRYPIT bounds checking.</li>

chris mccown <https://github.com/chrismccown&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>

ZZMarquis <https://github.com/ZZMarquis&gt; offset patch for SM2 decrypt.</li>

Andreas Krebscher <https://github.com/Akrebscher&gt; NPE fix for CertTemplate.getVersion().</li>

Armin Lunkeit, Michael Tautenhahn <https://github.com/Akrebscher&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>

Vincent Breitmoser <https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>

Adam Vartanian <https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>

Bernd &lt;https://github.com/bernd&gt; Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.</li>

Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>

Paul Schaub <https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>

Nick of Nexxar <https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>

catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>
</ul>

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1.1338 pcre 8.39 9
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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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* /opt/ws_local/PERMITS_SQL/1082934843_1597979212.47/0/jline-remote-telnet-3-14-1-sources-jar/org/jline/builtins/telnet/ConnectionData.java
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  include/bsd/vis.h
  man/bitstring.3bsd
  man/errc.3bsd
  man/explicit_bzero.3bsd
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src/arc4random_unix.h
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src/getentropy_aix.c
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1.1374 python-stdlib-extensions 3.6.9-1~18.04

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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 (see http://www.digicool.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. Digital Creations is a sponsoring member of the PSF.

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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/Annotation.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/MemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
  jar/javassist/bytecode/annotation/AnnotationMemberValue.java

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/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/bytecode/DuplicateMemberException.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/util/proxy/FactoryHelper.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/expr/Handler.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/bytecode/LineNumberAttribute.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/util/proxy/FactoryHelper.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/expr/Handler.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/bytecode/Descriptor.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/convert/TransformAccessArrayField.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/expr/ConstructorCall.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/compiler/ast/Pair.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/expr/Expr.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/bytecode/AnnotationDefaultAttribute.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/ClassClassPath.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/util/proxy/SerializedProxy.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/scopedpool/ScopedClassPoolFactoryImpl.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/javassist/compiler/ast/IntConst.java
/ opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources.jar/...
jar/javassist/ClassPoolTail.java
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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/scopedpool/SoftValueHashMap.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/util/proxy/Proxy.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/compiler/Parser.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/compiler/Lex.java
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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/ScField.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/util/proxy/MethodHandler.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/util/proxy/SecurityActions.java
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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/scopedpool/ScopedClassPool.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/compiler/ast/CastExpr.java
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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/runtime/DotClass.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/Loader.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/expr/ExprEditor.java
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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/compiler/ast/FieldDecl.java
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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/analysis/FramePrinter.java
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* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/analysis/Util.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/runtime/DotClass.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/Loader.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/expr/ExprEditor.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-
jar/javassist/compiler/CodeGen.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/ClassFilePrinter.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/scopedpool/ScopedClassPoolFactory.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/util/proxy/ProxyObjectInputStream.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/util/HotSwapper.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/compiler/ast/Expr.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/compiler/ast/Visitor.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/map/MapMaker.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/compiler/ast/Symbol.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/tools/reflect/Compiler.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/expr/NewArray.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/tools/reflect/CtNewWrappedConstructor.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/ByteArray.java
* /opt/ws_local/PERMITS_SQL/1014221198_1594198667.73/0/javassist-3-22-0-cr2-sources-jar/javassist/tools/web/BadHttpRequest.java

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#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c  
src/bdf/bdf.h  
src/bdf/bdfdrivr.c  
src/bdf/bdfdrivr.h  
src/bdf/bdferror.h  
src/bdf/bdflib.c  
src/bdf/module.mk  
src/bdf/README  
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#  
src/pcf/module.mk  
src/pcf/pcf.c  
src/pcf/pcf.h  
src/pcf/pcfdrivr.c  
src/pcf/pcfdrivr.h  
src/pcf/pcferror.h  
src/pcf/pcfread.c  
src/pcf/pcfread.h  
src/pcf/pcfutil.c  
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#  
src/gzip/adler32.c  
src/gzip/infblock.c  
src/gzip/infblock.h  
src/gzip/infcodes.c  
src/gzip/infcodes.h  
src/gzip/inffixed.h  
src/gzip/inflate.c  
src/gzip/inftrees.c  
src/gzip/inftrees.h  
src/gzip/infutil.c  
src/gzip/infutil.h  
src/gzip/zconf.h  
src/gzip/zlib.h  
src/gzip/zutil.c  
src/gzip/zutil.h  
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src/tools/apinames.c  
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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xz/LZ4UnsafeUtils.java
* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Compressor.java
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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4BlockInputStream.java
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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/AbstractStreamingXXHash64Java.java
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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Constants.java
* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Exception.java
* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4SafeDecompressor.java
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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/XXHashConstants.java
1.1402 busybox 1.28.4-r1

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1.1411 jackson-module-jaxb-annotations
2.9.10
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (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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1.1412 profiler 1.0.2

1.1413 docker 18.06.1-r0

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgnamelibart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="libart-lgpl-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  update_config_sub
  default_prepare
}

build() {
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  ...
--prefix=/usr
make
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e02cecf5a57e356d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

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_pkgname=py3-flake8-copyright
_pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
option="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver
replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r${pkgrel}" # Backwards compatibility

build() {
    python3 setup.py build
}

package() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386ee67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ffd153f0be1bed746464220d40d9d44dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"
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# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
    _pkgreal=BSD-Resource
    pkgver=1.2911
    pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

prepare() {


default_prepare

export CFLAGS=\$(perl -MConfig -E \'say $Config{ccflags}\')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
export CFLAGS=\$(perl -MConfig -E \'say $Config{ccflags}\')
make
}

check() {
make test
}

package() {
make DESTDIR="Spkgdir" install
find "Spkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6eb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4fea16de9262728b3b6b85" BSD-Resource-1.2911.tar.gz
mini_sendmail - accept email on behalf of real sendmail

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pkgname=spdx-licenses
pkgver=3.8
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
  subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$subpkgdir/usr/share/spdx"
  cp -r "$builddir"/$type "$subpkgdir/usr/share/spdx/"
}

list() {
  pkgdesc="$pkgdesc (licence list)"
  mkdir -p "$subpkgdir/usr/share/spdx"
  local i; for i in $builddir/text/*.txt; do
    local license=${i##*/}
    echo ${license%.*} >> "$subpkgdir/usr/share/spdx/license.lst"
  done
}

sha512sums="0950540df050fb717ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60  license-list-data-3.8.tar.gz"
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1.1414 j2objc-annotations 1.1

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

* * cvt - IEEE floating point formatting routines.
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file name: UBiDiProps.java
encoding: US-ASCII
tab size: 8 (not used)
indentation:4

created on: 2005jan16
created by: Markus W. Scherer

Low-level Unicode bidi/shaping properties access.
Java port of ubidi_props.h/c.
This locale data is based on the ICU's Vietnamese locale data (rev. 1.38) found at:


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<?xml version="1.0"?>

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The code is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the \textbf{bold} font" has range (4, 8) replaced with "strong", then it becomes "the \textbf{strong} font".

The code specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

The code also includes API to access characters in the string: length(), charAt(), char32At(), and extractBetween().

For a subclass to support metadata, typical behavior of
<code>replace()</code> is the following:

<ul>
<li>Set the metadata of the new text to the metadata of the first character replaced</li>
<li>If no characters are replaced, use the metadata of the previous character</li>
<li>If there is no previous character (i.e. start == 0), use the following character</li>
<li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
<li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p><em>Note:</em> This class does not support attributes and is not intended for general use. Most clients will need to implement <code>Replaceable</code> in their text representation class.</p>

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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import java.io.Serializable;

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 */

public abstract class Permission implements Guard, Serializable {
public Permission(String name) {}

public final String getName() { return null; }

public void checkGuard(Object obj) throws SecurityException {}

public PermissionCollection newPermissionCollection() {
    return new AllPermissionCollection();
}

public abstract String getActions();

public abstract boolean implies(Permission permission);

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

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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

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

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
    </xsl:if>
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1.1421 pythonurllib 1.22-1ubuntu0.18.04.1

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# Contributions to the urllib3 project

## Creator & Maintainer

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## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
* Bugfixes, suggestions, Requests integration

* georgemarshall <http://github.com/georgemarshall>
* Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
* Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
* Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
* IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
* Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
* Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
* Support for TLS SNI
* API unification of ssl_version/cert_reqs
* SSL fingerprint and alternative hostname verification
* Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
* Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
* Correct six.moves conflict
* Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
* Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
* Stream method for Response objects.
* Return native strings in header values.
* Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
* Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
* Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.
* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
  * Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>
* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
* Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
* Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
* Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytt@iki.fi>
* Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesseshapiro.net>
* Various character-encoding fixes/tweaks
* Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
* Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
* Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
* History list to Retry object.
* HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
* Ensure timeouts are not booleans and greater than zero.
* Fixed infinite loop in `stream` when amt=None.
* Added length_remaining to determine remaining data to be read.
* Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
* Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
* Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moinl8@gmail.com>
* Lazily load idna package
* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/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
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analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
  3a0982da308228d796df35f98d787c5cff2bb5b6.
Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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

1.1427 simpleclient-dropwizard 0.0.21

1.1428 unzip 6.0 21ubuntu1

1.1428.1 Available under license :

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Ian Fleming was a UNIX fan!
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had the (license to kill) number 007,
i.e., he could execute anyone!
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api  
* javax.annotation:javax.annotation-api  
* javax.transaction:javax.transaction-api  
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons  
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.1446 jline-terminal-jansi 3.14.1

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* /opt/ws_local/PERMITS_SQL/1082934790_1597979184.75/0/jline-terminal-jansi-3-14-1-sources-jar/org/jline/terminal/impl/jansi/freebsd/FreeBsdNativePty.java
* /opt/ws_local/PERMITS_SQL/1082934790_1597979184.75/0/jline-terminal-jansi-3-14-1-sources-jar/org/jline/terminal/impl/jansi/win/JansiWinConsoleWriter.java
* /opt/ws_local/PERMITS_SQL/1082934790_1597979184.75/0/jline-terminal-jansi-3-14-1-sources-jar/org/jline/terminal/impl/jansi/JansiSupportImpl.java
* /opt/ws_local/PERMITS_SQL/1082934790_1597979184.75/0/jline-terminal-jansi-3-14-1-sources-jar/org/jline/terminal/impl/jansi/osx/OsXNativePty.java
* /opt/ws_local/PERMITS_SQL/1082934790_1597979184.75/0/jline-terminal-jansi-3-14-1-sources-jar/org/jline/terminal/impl/jansi/solaris/SolarisNativePty.java
* /opt/ws_local/PERMITS_SQL/1082934790_1597979184.75/0/jline-terminal-jansi-3-14-1-sources-jar/org/jline/terminal/impl/jansi/linux/LinuxNativePty.java
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1.1447 pyyaml 3.12 1

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  jar/io/netty/channel/DefaultSelectStrategy.java
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  jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
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  jar/io/netty/channel/SelectStrategyFactory.java
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  jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
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  jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/AddressedEnvelope.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelId.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/group/DefaultChannelGroup.java

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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/SimpleChannelInboundHandler.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/socket/nio/NioChannelOption.java

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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/socket/nio/NioChannelOption.java

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*/

/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its [ @link ChannelPipeline].
* 
* <h3>Sub-types</h3>
* 
* [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* 
*  * <ul><li>@link ChannelInboundHandler] to handle inbound I/O events, and</li></ul>
*  * <ul><li>@link ChannelOutboundHandler] to handle outbound I/O operations.</li></ul>
* </p>
* </ul>
* </p>
* </ul>
* 
* Alternatively, the following adapter classes are provided for your convenience:
* 
*  * <ul><li>@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li></ul>
*  * <ul><li>@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li></ul>
*  * <ul><li>@link ChannelDuplexHandler] to handle both inbound and outbound events</li></ul>
* </p>
* </ul>
* </p>
* </ul>
* 
* For more information, please refer to the documentation of each subtype.
* </p>
* 
* <h3>The context object</h3>
* 
* A [ @link ChannelHandler] is provided with a [ @link ChannelHandlerContext]
* object. A [ @link ChannelHandler] is supposed to interact with the
* [ @link ChannelPipeline] it belongs to via a context object. Using the
* context object, the [ @link ChannelHandler] can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using [ @link AttributeKey]s) which is specific to the handler.
* 
* <h3>State management</h3>
* 
* A [ @link ChannelHandler] often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* 
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends [ @link SimpleChannelInboundHandler]<Message>&lt;Message&gt; {
private boolean loggedIn;

@Override
public void channelRead0(ChannelHandlerContext ctx, Message message) {
    if (message instanceof LoginMessage) {
        authenticate((LoginMessage) message);
        loggedIn = true;
    } else if (message instanceof GetDataMessage) {
        if (loggedIn) {
            ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
        } else {
            fail();
        }
    }
}

Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

// Create a new handler instance per channel.
// See ChannelInitializadorinitChannel(Channel).
public class DataServerInitializer extends ChannelInitializer<Channel> {
    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}

<h4>Using AttributeKeys</h4>

Although it's recommended to use member variables to store the state of a
handler, for some reason you might not want to create many handler instances.
In such a case, you can use AttributeKeys which is provided by

public interface Message {
    // your methods here
}

public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth =
```java
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}<{@link Boolean}> attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else if (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; { 
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*     {
*         {@code @Override}
*         public void initChannel({@link Channel} channel) {
*             channel.pipeline().addLast("handler", <b>SHARED</b>);
*         }
*     }
* }<pre>
* 
* <h4>The {@code @Sharable} annotation</h4>
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* <p>
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
```
* This annotation is provided for documentation purpose, just like
* 
* Additional resources worth reading</p>
* 
* Please refer to the [@link ChannelHandler], and
* [@link ChannelPipeline] to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/embedded/EmbeddedChannelId.java
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/socket/SocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/embedded/EmbeddedChannel.java
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jar/io/netty/channel/pool/AbstractChannelPoolMap.java
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jar/io/netty/channel/pool/ChannelPoolHandler.java
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068867929_1594465030.79/0/hibernate-validator-5-4-3-final-sources-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/BeginState.java
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/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated executable.

* Script expressions can be written in any scripting or expression language, for which a [JSR 223](http://jcp.org/en/jsr/detail?id=223) compatible engine can be found on the classpath. To refer to a parameter within the scripting expression, use its name as obtained by the active [javax.validation.ParameterNameProvider](https://docs.oracle.com/javase/8/docs/api/javax/validation/ParameterNameProvider.html). By default, `arg0`, `arg1`, etc. will be used as parameter names.

* The following listing shows an example using the JavaScript engine which comes with the JDK:

```java
@ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
public void createEvent(Date start, Date end) {
    // ...
}
```

* Can be specified on any method or constructor.

* @author Gunnar Morling
*/

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/**
* Retrieves constraint related meta data for the parameters of the given executable.
* @param executable The executable of interest.
* @return A list with parameter meta data for the given executable.
*/
1.1452 jetty 9.4.24.v20191120

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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1.1454 aggs-matrix-stats-client 7.6.2

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1.1457 curl 7.58.0 2ubuntu3.7
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1.1458 nss-wrapper 1.1.3-1

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1.1459 postgresql 10.12-r0

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Theodore Ts'o
23-June-2007

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+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
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files of the EXT2 file system utilities. The EXT2 utilities were
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This package was put together by Yann Dirson <dirson@debian.org>,
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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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

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# This is a Makefile stub which handles the creation of BSD shared libraries.
#
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#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
image:$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

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

install-shlibs-strip:: install-shlibs

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

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

1.1469 audit 2.8.5 4.el7
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1.1471 diffutils 3.3 5.el7

1.1471.1 Available under license:

From RPM File Metadata:GPLv3+
/* diff - compare files line by line


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#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include <c-stack.h>
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamescat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <prepargs.h>
#include <progsname.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS \
proper_name ("Paul Eggert"), \
proper_name ("Mike Haertel"), \
proper_name ("David Hayes"), \
proper_name ("Richard Stallman"), \
proper_name ("Len Tower")

#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list
{
  char *regexps; /* chars representing disjunction of the regexps */
  size_t len; /* chars used in 'regexps' */
}
size_t size; /* size malloc'ed for 'regexps'; 0 if not malloc'ed */
bool multiple_regexps;/* Does 'regexps' represent a disjunction? */
struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexps. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary).
   On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true };
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty
   (--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s).
   Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
"0123456789abBeC:d:efHFhHiIL:nNpPqrsS:tTuU:vwWX:yz";

/* Values for long options that do not have single-letter equivalents. */
enum
{ 
BINARY_OPTION = CHAR_MAX + 1,  
FROM_FILE_OPTION,  
HELP_OPTION,  
HORIZON_LINES_OPTION,  
IGNORE_FILE_NAME_CASE_OPTION,  
INHIBIT_HUNK_MERGE_OPTION,  
LEFT_COLUMN_OPTION,  
LINE_FORMAT_OPTION,  
NO_DEREFERENCE_OPTION,  
NOIGNORE_FILE_NAME_CASE_OPTION,  
NORMAL_OPTION,  
SDIFF_MERGE_ASSIST_OPTION,  
STRIP_TRAILING_CR_OPTION,  
SUPPRESS_BLANKEMPTY_OPTION,  
SUPPRESS_COMMON_LINES_OPTION,  
TABSIZE_OPTION,  
TO_FILE_OPTION,

/* These options must be in sequence. */  
UNCHANGED_LINE_FORMAT_OPTION,  
OLD_LINE_FORMAT_OPTION,  
NEW_LINE_FORMAT_OPTION,

/* These options must be in sequence. */  
UNCHANGED_GROUP_FORMAT_OPTION,  
OLD_GROUP_FORMAT_OPTION,  
NEW_GROUP_FORMAT_OPTION,  
CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{
  "--unchanged-group-format",
  "--old-group-format",
  "--new-group-format",
  "--changed-group-format"
};

static char const line_format_option[][sizeof "--unchanged-line-format"] =
{
  "--unchanged-line-format",
  "--old-line-format",
  "--new-line-format"
};

static struct option const longopts[] =
{ 

static int
exclude_options (void)
{

/* Return an option value suitable for add_exclude. */

static int
exclude_options (void)
int
main (int argc, char **argv)
{
  int exit_status = EXIT_SUCCESS;
  int c;
  int i;
  int prev = -1;
  int ocontext = -1;
  bool explicit_context = false;
  size_t width = 0;
  bool show_c_function = false;
  char const *from_file = NULL;
  char const *to_file = NULL;
  uintmax_t numval;
  char *numend;

  /* Do our initializations. */
  exit_failure = EXIT_TROUBLE;
  initialize_main (&argc, &argv);
  set_program_name (argv[0]);
  setlocale (LC_ALL, "");
  bindtextdomain (PACKAGE, LOCALEDIR);
  textdomain (PACKAGE);
  c_stack_action (0);
  function_regexp_list.buf = &function_regexp;
  ignore_regexp_list.buf = &ignore_regexp;
  re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
  excluded = new_exclude ();

  /* Decode the options. */
  while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
  {
    switch (c)
    {
    case 0:
      break;

    case '0':
    case '1':
    case '2':
    case '3':
    case '4':
    case '5':


    return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
}
case '6':
    case '7':
    case '8':
    case '9':
        if (! ISDIGIT (prev))
            ocontext = c - '0';
    else if (LIN_MAX / 10 < ocontext
        // ((ocontext = 10 * ocontext + c - '0') < 0))
            ocontext = LIN_MAX;
        break;
    
    case 'a':
        text = true;
        break;
    
    case 'b':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space = IGNORE_SPACE_CHANGE;
        break;
    
    case 'Z':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space |= IGNORE_TRAILING_SPACE;
        break;
    
    case 'B':
        ignore_blank_lines = true;
        break;
    
    case 'C':
    case 'U':
        
        if (optarg)
        {
            numval = strtoumax (optarg, &numend, 10);
            if (*numend)
                try_help ("invalid context length ""%s", optarg);
            if (LIN_MAX < numval)
                numval = LIN_MAX;
        }
        else
            numval = 3;
        
        specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
        if (context < numval)
            context = numval;
        explicit_context = true;
    }
break;

case 'c':
    specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
    break;

case 'd':
    minimal = true;
    break;

case 'D':
    specify_style (OUTPUT_IFDEF);
    {
        static char const C_ifdef_group_formats[] =
            "%%=%c#ifndef %s
%%<#endif /* ! %s */
%c#ifdef %s
%%>#endif /* %s */
%c#ifndef %s
%%<#else
/* %s */
%%>#endif /* %s */
";
        char *b = xmalloc (sizeof C_ifdef_group_formats
            + 7 * strlen (optarg) - 14 /* 7*"%s" */
            - 8 /* 5"%s" + 3"%c" */);
        sprintf (b, C_ifdef_group_formats,
            optarg, optarg, optarg,
            optarg, optarg, optarg);
        for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
            specify_value (&group_format[i], b, "-D");
        b += strlen (b) + 1;
    }
    break;

case 'e':
    specify_style (OUTPUT_ED);
    break;

case 'E':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TAB_EXPANSION;
    break;

case 'f':
    specify_style (OUTPUT_FORWARD_ED);
    break;

case 'F':
add_regexp (&function_regexp_list, optarg);
break;

case 'h':
    /* Split the files into chunks for faster processing.
       Usually does not change the result.

       This currently has no effect. */
    break;

case 'H':
    speed_large_files = true;
    break;

case 'i':
    ignore_case = true;
    break;

case 'I':
    add_regexp (&ignore_regexp_list, optarg);
    break;

case 'l':
    if (!pr_program[0])
      try_help ("pagination not supported on this host", NULL);
    paginate = true;
    #ifdef SIGCHLD
    /* Pagination requires forking and waiting, and
       System V fork+wait does not work if SIGCHLD is ignored. */
    signal (SIGCHLD, SIG_DFL);
    #endif
    break;

case 'L':
    if (!file_label[0])
        file_label[0] = optarg;
    else if (!file_label[1])
        file_label[1] = optarg;
    else
        fatal ("too many file label options");
    break;

case 'n':
    specify_style (OUTPUT_RCS);
    break;

case 'N':
    new_file = true;
break;

case 'p':
    show_c_function = true;
    add_regexp (&function_regexp_list, "^[[:alpha:]]$_\]");
    break;

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
    brief = true;
    break;

case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

case 'S':
    specify_value (&starting_file, optarg, "-S");
    break;

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style (OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;

case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
                 AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
ignore_white_space = IGNORE_ALL_SPACE;
break;

case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
        exclude_options (), '
'))
        pfatal_with_name (optarg);
    break;

case 'y':
    specify_style (OUTPUT_SDIFF);
    break;

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ('invalid width "%s", optarg);
    if (width != numval)
    {
        if (width)
            fatal ('conflicting width options');
        width = numval;
    }
    break;

case BINARY_OPTION:
    #if O_BINARY
        binary = true;
        if (! isatty (STDOUT_FILENO))
            set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value (&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage ()
    check_stdout ()
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax (optarg, &numend, 10);
if (*numend)
    try_help ("invalid horizon length "s", optarg);
horizon_lines = MAX (horizon_lines, MIN (numval, LIN_MAX));
break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward 
       compatibility. */
    break;

case LEFT_COLUMN_OPTION:
    left_column = true;
    break;

case LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
    break;

case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;
case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = stroumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid tabsize ‘%s’", optarg);
    if (tабsize != numval)
        {
            if (табsize)
                fatal ("conflicting tabsize options");
            табsize = numval;
        }
    break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
    case OLD_LINE_FORMAT_OPTION:
    case NEW_LINE_FORMAT_OPTION:
        specify_style (OUTPUT_IFDEF);
        c -= UNCHANGED_LINE_FORMAT_OPTION;
        specify_value (&line_format[c], optarg, line_format_option[c]);
    break;

case UNCHANGED_GROUP_FORMAT_OPTION:
    case OLD_GROUP_FORMAT_OPTION:
    case NEW_GROUP_FORMAT_OPTION:
    case CHANGED_GROUP_FORMAT_OPTION:
        specify_style (OUTPUT_IFDEF);
        c -= UNCHANGED_GROUP_FORMAT_OPTION;
        specify_value (&group_format[c], optarg, group_format_option[c]);
    break;

default:
    try_help (NULL, NULL);
    }
    prev = c;
    }

if (output_style == OUTPUT_UNSPECIFIED)
    {
        if (show_c_function)
specify_style (OUTPUT_CONTEXT);
if (ocontext < 0)
    context = 3;
} else
specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
#if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \\
    || defined HAVE_STRUCT_STAT_ST_SPARE1)
    time_format = "%Y-%m-%d %H:%M:%S,%N %z";
#else
    time_format = "%Y-%m-%d %H:%M:%S %z";
#endif
} else
{
 /* See POSIX 1003.1-2001 for this format. */
 time_format = "%a %b %e %T %Y";
}

if (0 <= ocontext
    && (output_style == OUTPUT_CONTEXT
        || output_style == OUTPUT_UNIFIED)
    && (context < ocontext
        || (ocontext < context && ! explicit_context)))
context = ocontext;

if (! tabsize)
tabsize = 8;
if (! width)
width = 130;

{
/* Maximize first the half line width, and then the gutter width,
   according to the following constraints:

1. Two half lines plus a gutter must fit in a line.
2. If the half line width is nonzero:
   a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
   b. If tabs are not expanded to spaces,
      a half line plus a gutter is an integral number of tabs,
      so that tabs in the right column line up. */

    intmax_t t = expand_tabs ? 1 : tabsize;
    intmax_t w = width;
intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
sdiff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),
sdiff_column2_offset = sdiff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
   horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)
   {
      for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
         if (!line_format[i])
            line_format[i] = "%\n";
      if (!group_format[OLD])
         group_format[OLD]
            = group_format[CHANGED] ? group_format[CHANGED] : "%<";
      if (!group_format[NEW])
         group_format[NEW]
            = group_format[CHANGED] ? group_format[CHANGED] : "%>";
      if (!group_format[UNCHANGED])
         group_format[UNCHANGED] = "%=";
      if (!group_format[CHANGED])
         group_format[CHANGED] = concat (group_format[OLD],
                                         group_format[NEW], "");
    }

no_diff_means_no_output =
   (output_style == OUTPUT_IFDEF ?
    (*group_format[UNCHANGED]
    || (STREQ (group_format[UNCHANGED], "%=")
    && !*line_format[UNCHANGED])))
   : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
   (brief & binary
    & ~ (ignore_blank_lines | ignore_case | strip_trailing_cr
         | (ignore_regexp_list.regexps || ignore_white_space)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
   {
      if (to_file)
fatal ("--from-file and --to-file both specified");
else
for (; optind < argc; optind++)
{
    int status = compare_files (NULL, from_file, argv[optind]);
    if (exit_status < status)
        exit_status = status;
}
}
else
{
    if (to_file)
    for (; optind < argc; optind++)
    {
        int status = compare_files (NULL, argv[optind], to_file);
        if (exit_status < status)
            exit_status = status;
    }
    else
    {
        if (argc - optind != 2)
        {
            if (argc - optind < 2)
                try_help ("missing operand after '%s'", argv[argc - 1]);
            else
                try_help ("extra operand '%s'", argv[optind + 2]);
        }
        exit_status = compare_files (NULL, argv[optind], argv[optind + 1]);
    }
}

/* Print any messages that were saved up for last. */
print_message_queue ();

check_stdout ();
exit (exit_status);
return exit_status;
}

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
    size_t patlen = strlen (pattern);
    char const *m = re_compile_pattern (pattern, patlen, reglist->buf);
if (m != 0)
    error (0, 0, "%s: %s", pattern, m);
else
{
    char *regexps = reglist->regexps;
    size_t len = reglist->len;
    bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
    size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
    size_t size = reglist->size;
    if (size <= newlen)
    {
        if (!size)
            size = 1;
        do size *= 2;
        while (size <= newlen);
        reglist->size = size;
        reglist->regexps = regexps = xrealloc (regexps, size);
    }
    if (multiple_regexps)
    {
        regexps[len++] = '\';
        regexps[len++] = '|';
    }
    memcpy (regexps + len, pattern, patlen + 1);
}

/* Ensure that REGLIST represents the disjunction of its regexps.  
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
    if (reglist->regexps)
    {
        /* At least one regexp was specified.  Allocate a fastmap for it. */
        reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
        if (reglist->multiple_regexps)
        {
            /* Compile the disjunction of the regexps.  
               (If just one regexp was specified, it is already compiled.) */
            char const *m = re_compile_pattern (reglist->regexps, reglist->len,
                                             reglist->buf);
            if (m)
                error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);"
static void try_help (char const *reason_msgid, char const *operand)
{
if (reason_msgid)
  error (0, 0, _(reason_msgid), operand);
error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information."),
  program_name);
abort ();
}

static void check_stdout (void)
{
if (ferror (stdout))
  fatal ("write failed");
else if (fclose (stdout) != 0)
  pfatal_with_name (_("standard output"));
}

static char const * const option_help_msgid[] = {
  N_("--normal                  output a normal diff (the default)"),
  N_("-q, --brief               report only when files differ"),
  N_("-s, --report-identical-files report when two files are the same"),
  N_("-c, -C NUM, --context[NUM] output NUM (default 3) lines of copied context"),
  N_("-u, -U NUM, --unified[NUM] output NUM (default 3) lines of unified context"),
  N_("-e, --ed                  output an ed script"),
  N_("-n, --rcs                 output an RCS format diff"),
  N_("-y, --side-by-side        output in two columns"),
  N_("-W, --width=NUM           output at most NUM (default 130) print columns"),
  N_("--left-column            output only the left column of common lines"),
  N_("--suppress-common-lines   do not output common lines"),
  N_("--left-column            output only the left column of common lines"),
  N_("--label LABEL             use LABEL instead of file name
                                (can be repeated)"),
  N_("--expand-tabs            expand tabs to spaces in output"),
  N_("--initial-tab            make tabs line up by prepending a tab"),
  N_("--tabsize=NUM            tab stops every NUM (default 8) print columns"),
  N_("--suppress-blank-empty   suppress space or tab before empty output lines"),
  N_("--paginate               pass output through 'pr' to paginate it"),
  N_("--recursive               recursively compare any subdirectories found"),
};
N_("--no-dereference  don't follow symbolic links"),
N_("-N, --new-file  treat absent files as empty"),
N_("--unidirectional-new-file  treat absent first files as empty"),
N_("--ignore-file-name-case  ignore case when comparing file names"),
N_("--no-ignore-file-name-case  consider case when comparing file names"),
N_("--x, --exclude=PAT  exclude files that match PAT"),
N_("--exclude-from=FILE  exclude files that match any pattern in FILE"),
N_("--starting-file=FILE  start with FILE when comparing directories"),
N_("--from-file=FILE1  compare FILE1 to all operands;\n"
"FILE1 can be a directory"),
N_("--to-file=FILE2  compare all operands to FILE2;\n"
"FILE2 can be a directory"),
"",
N_("--ignore-case  ignore case differences in file contents"),
N_("--ignore-tab-expansion  ignore changes due to tab expansion"),
N_("--ignore-trailing-space  ignore white space at line end"),
N_("--ignore-space-change  ignore changes in the amount of white space"),
N_("--ignore-all-space  ignore all white space"),
N_("--ignore-blank-lines  ignore changes where lines are all blank"),
N_("--ignore-matching-lines=RE  ignore changes where all lines match RE"),
"",
N_("--text  treat all files as text"),
N_("--strip-trailing-cr  strip trailing carriage return on input"),
#if O_BINARY
N_("--binary  read and write data in binary mode"),
#endif
N_("--ifdef=NAME  output merged file with '#ifdef NAME' diffs"),
N_("--GTYPE-group-format=GFMT  format GTYPE input groups with GFMT"),
N_("--line-format=LFMT  format all input lines with LFMT"),
N_("--LTYPE-line-format=LFMT  format LTYPE input lines with LFMT"),
N_("These format options provide fine-grained control over the output:
"of diff, generalizing -D/--ifdef."),
N_("LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'."),
N_("GFMT (only) may contain:\n"%< lines from FILE1\n>% lines from FILE2\n%== lines common to FILE1 and FILE2\n%-[|WIDTH]|[:|PREC|][|dooX|]LETTER printf-style spec for LETTER\nLETTERS are as follows for new group, lower case for old group:\nF  first line number\nL  last line number\nN  number of lines = L-F+1\nE  F-1\nM  L+1\n%(A=B?T:E) if A equals B then T else E"),
N_("LFMT (only) may contain:\n"%L contents of line\n"
Both GFMT and LFMT may contain:
\n%%  %
%c'C'  the single character C
%c'O00'  the character with octal code OOO
C    the character C (other characters represent themselves)

-d, --minimal  try hard to find a smaller set of changes
--horizon-lines=NUM  keep NUM lines of the common prefix and suffix
--speed-large-files  assume large files and many scattered small changes
--help  display this help and exit
--version  output version information and exit

FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE..' or 'FILE.. DIR.'.
If --from-file or --to-file is given, there are no restrictions on FILE(s).
If a FILE is '-', read standard input.
Exit status is 0 if inputs are the same, 1 if different, 2 if trouble.

static void
usage (void)
{
  char const * const *p;

  printf (_("Usage: %s [OPTION]... FILES\n"), program_name);
  printf (_("Compare FILES line by line.\n"));

  fputs (_("\nMandatory arguments to long options are mandatory for short options too.\n"), stdout);

  for (p = option_help_msgid; *p; p++)
    {
      if (!**p)
        putchar ('\n');
      else
      {
        char const *msg = _(*p);
        char const *nl;
        while ((nl = strchr (msg, '\n')))
          {
            int msglen = nl + 1 - msg;
            printf (_(" %.*s\n", msglen, msg);
            msg = nl + 1;
          }
      }
    }
}
printf (" %s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
}
}
emit_bug_reporting_address ();
}
/* Set VAR to VALUE, reporting an OPTION error if this is a
conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
if (*var && ! STREQ (*var, value))
{
error (0, 0, _("conflicting %s option value '%s'"), option, value);
try_help (NULL, NULL);
}
*var = value;
}
/* Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
if (output_style != style)
{
if (output_style != OUTPUT_UNSPECIFIED)
try_help ("conflicting output style options", NULL);
output_style = style;
}
}
/* Set the last-modified time of *ST to be the current time. */
static void
set_mtime_to_now (struct stat *st)
{
#ifdef STAT_TIMESPEC
gettime (&STAT_TIMESPEC (st, st_mtim));
#else
struct timespec t;
gettime (&t);
st->st_mtime = t.tv_sec;
# if defined STAT_TIMESPEC_NS
STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
# elif defined HAVE_STRUCT_STAT_ST_SPARE1
st->st_spare1 = t.tv_nsec / 1000;
# endif

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/* Compare two files (or dirs) with parent comparison PARENT and names NAME0 and NAME1.
   (If PARENT is null, then the first name is just NAME0, etc.)
   This is self-contained; it opens the files and closes them.

   Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if different, EXIT_TROUBLE if there is a problem opening them. */

static int
compare_files (struct comparison const *parent,
               char const *name0,
               char const *name1)
{
  struct comparison cmp;
#define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
  register int f;
  int status = EXIT_SUCCESS;
  bool same_files;
  char *free0;
  char *free1;

  /* If this is directory comparison, perhaps we have a file that exists only in one of the directories.
     If so, just print a message to that effect. */

  if (! ((name0 && name1)
       || (unidirectional_new_file && name1)
       || new_file))
    {
      char const *name = name0 ? name0 : name1;
      char const *dir = parent->file[!name0].name;

      /* See POSIX 1003.1-2001 for this format. */
      message ("Only in %s: %s\n", dir, name);

      /* Return EXIT_FAILURE so that diff_dirs will return EXIT_FAILURE ("some files differ"). */
      return EXIT_FAILURE;
    }

  memset (cmp.file, 0, sizeof cmp.file);
  cmp.parent = parent;

  /* cmp.file[f].desc markers */
#define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */
#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */

if (!name0)
  name0 = name1;
if (!name1)
  name1 = name0;

if (!parent)
{
  free0 = NULL;
  free1 = NULL;
  cmp.file[0].name = name0;
  cmp.file[1].name = name1;
}
else
{
  cmp.file[0].name = free0
  = file_name_concat (parent->file[0].name, name0, NULL);
  cmp.file[1].name = free1
  = file_name_concat (parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
  if (cmp.file[f].desc != NONEXISTENT)
  {
    if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
    {
      cmp.file[f].desc = cmp.file[0].desc;
      cmp.file[f].stat = cmp.file[0].stat;
    }
    else if (STREQ (cmp.file[f].name, "-"))
    {
      cmp.file[f].desc = STDIN_FILENO;
      if (binary && ! isatty (STDIN_FILENO))
        set_binary_mode (STDIN_FILENO, O_BINARY);
      if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
        cmp.file[f].desc = ERRNO_ENCODE (errno);
    }
  }
}
else
{
    if (S_ISREG (cmp.file[f].stat.st_mode))
    {
        off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
        if (pos < 0)
            cmp.file[f].desc = ERRNO_ENCODE (errno);
        else
            cmp.file[f].stat.st_size =
                MAX (0, cmp.file[f].stat.st_size - pos);
    }

    /* POSIX 1003.1-2001 requires current time for stdin. */
    set_mtime_to_now (&cmp.file[f].stat);
}
}
else if ((no_dereference_symlinks
    ? lstat (cmp.file[f].name, &cmp.file[f].stat)
    : stat (cmp.file[f].name, &cmp.file[f].stat))
!= 0)
    cmp.file[f].desc = ERRNO_ENCODE (errno);
}
/* Mark files as nonexistent as needed for -N and -P, if they are
ineaccessible empty regular files (the kind of files that 'patch'
creates to indicate nonexistent backups), or if they are
top-level files that do not exist but their counterparts do
exist. */
for (f = 0; f < 2; f++)
    if ((new_file || (f == 0 && unidirectional_new_file))
&& (cmp.file[f].desc == UNOPENED
    ? (S_ISREG (cmp.file[f].stat.st_mode)
        && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
        && cmp.file[f].stat.st_size == 0)
        : ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
            || cmp.file[f].desc == ERRNO_ENCODE (EBADF))
        && ! parent
        && (cmp.file[1 - f].desc == UNOPENED
            || cmp.file[1 - f].desc == STDIN_FILENO))))
        cmp.file[f].desc = NONEXISTENT;

for (f = 0; f < 2; f++)
    if (cmp.file[f].desc == NONEXISTENT)
    {
        memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
        cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;
for (f = 0; f < 2; f++)
{
    int e = ERRNO_DECODE (cmp.file[f].desc);
    if (0 <= e)
    {
        errno = e;
        perror_with_name (cmp.file[f].name);
        status = EXIT_TROUBLE;
    }
}

if (status == EXIT_SUCCESS && ! parent && ! DIR_P (0) != DIR_P (1))
{
    /* If one is a directory, and it was specified in the command line, 
    use the file in that dir with the other file's basename. */

    int fmn_arg = DIR_P (0);
    int dir_arg = 1 - fmn_arg;
    char const *fnm = cmp.file[fnm_arg].name;
    char const *dir = cmp.file[dir_arg].name;
    char const *filename = cmp.file[dir_arg].name = free0
                          = find_dir_file_pathname (dir, last_component (fnm));

    if (STREQ (fnm, "-"))
        fatal ("cannot compare '-' to a directory");

    if (no_dereference_symlinks
        ? lstat (filename, &cmp.file[dir_arg].stat)
        : stat (filename, &cmp.file[dir_arg].stat))
        != 0)
    {
        perror_with_name (filename);
        status = EXIT_TROUBLE;
    }
}

if (status != EXIT_SUCCESS)
{
    /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
         && cmp.file[1].desc == NONEXISTENT)
{
    /* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files


= cmp.file[0].desc != NONEXISTENT
&& cmp.file[1].desc != NONEXISTENT
&& 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
&& same_file_attributes (&cmp.file[0].stat,
&cmp.file[1].stat))
&& no_diff_means_no_output)
{
/* The two named files are actually the same physical file.
We know they are identical without actually reading them. */
}
else if (DIR_P (0) & DIR_P (1))
{
if (output_style == OUTPUT_IFDEF)
fatal ("-D option not supported with directories");
/* If both are directories, compare the files in them. */

if (parent && !recursive)
{
/* But don't compare dir contents one level down
unless -r was specified.
See POSIX 1003.1-2001 for this format. */
message ("Common subdirectories: %s and %s\n", cmp.file[0].name, cmp.file[1].name);
}
else
status = diff_dirs (&cmp, compare_files);
}
else if ((DIR_P (0) | DIR_P (1))
|| (parent
    && !(S_ISREG (cmp.file[0].stat.st_mode)
    || S_ISLNK (cmp.file[0].stat.st_mode))
    && (S_ISREG (cmp.file[1].stat.st_mode)
    || S_ISLNK (cmp.file[1].stat.st_mode))))
{
if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
{
/* We have a subdirectory that exists only in one directory. */

if ((DIR_P (0) | DIR_P (1))
    && recursive
    && (new_file
    || (unidirectional_new_file
        && cmp.file[0].desc == NONEXISTENT)))
    status = diff_dirs (&cmp, compare_files);
else
{
    char const *dir;
/* PARENT must be non-NULL here. */
assert (parent);
dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

/* See POSIX 1003.1-2001 for this format. */
message("Only in %s: %s\n", dir, name0);

status = EXIT_FAILURE;
}
}
else

/* We have two files that are not to be compared. */

/* See POSIX 1003.1-2001 for this format. */
message5("File %s is a %s while file %s is a %s\n", 
file_label[0] ? file_label[0] : cmp.file[0].name, 
file_type(&cmp.file[0].stat), 
file_type(&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}
}
else if (S_ISLNK(cmp.file[0].stat.st_mode)
|| S_ISLNK(cmp.file[1].stat.st_mode))
{
/* We get here only if we use lstat(), not stat(). */
assert(no_dereference_symlinks);

if (S_ISLNK(cmp.file[0].stat.st_mode)
&& S_ISLNK(cmp.file[1].stat.st_mode))
{
/* Compare the values of the symbolic links. */
char *link_value[2] = { NULL, NULL }

for (f = 0; f < 2; f++)
{
    link_value[f] = xreadlink(cmp.file[f].name);
    if (link_value[f] == NULL)
    {
        perror_with_name(cmp.file[f].name);
        status = EXIT_TROUBLE;
        break;
    }
}
if (status == EXIT_SUCCESS)
{
    if (!STREQ(link_value[0], link_value[1]))
    {
        message("Symbolic links %s and %s differ\n", cmp.file[0].name, cmp.file[1].name);
        /* This is a difference. */
        status = EXIT_FAILURE;
    }
}
for (f = 0; f < 2; f++)
    free(link_value[f]);
else
{
    /* We have two files that are not to be compared, because
one of them is a symbolic link and the other one is not. */
    message5("File %s is a %s while file %s is a %s\n", file_label[0] ? file_label[0] : cmp.file[0].name, file_type(&cmp.file[0].stat), file_label[1] ? file_label[1] : cmp.file[1].name, file_type(&cmp.file[1].stat));
    /* This is a difference. */
    status = EXIT_FAILURE;
}
else if (files_can_be_treated_as_binary
    && S_ISREG(cmp.file[0].stat.st_mode)
    && S_ISREG(cmp.file[1].stat.st_mode)
    && cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
    {
        message("Files %s and %s differ\n", file_label[0] ? file_label[0] : cmp.file[0].name, file_label[1] ? file_label[1] : cmp.file[1].name);
        status = EXIT_FAILURE;
    }
else
{
    /* Both exist and neither is a directory. */
    /* Open the files and record their descriptors. */
    int oflags = O_RDONLY | (binary ? O_BINARY : 0);
    if (cmp.file[0].desc == UNOPENED)
        if ((cmp.file[0].desc = open(cmp.file[0].name, oflags, 0)) < 0)
{ 
  perror_with_name (cmp.file[0].name);
  status = EXIT_TROUBLE;
}
if (cmp.file[1].desc == UNOPENED)
{
  if (same_files)
    cmp.file[1].desc = cmp.file[0].desc;
  else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
    { 
      perror_with_name (cmp.file[1].name);
      status = EXIT_TROUBLE;
    }
}

/* Compare the files, if no error was found. */

if (status == EXIT_SUCCESS)
status = diff_2_files (&cmp);

/* Close the file descriptors. */

if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
{
  perror_with_name (cmp.file[0].name);
  status = EXIT_TROUBLE;
}
  if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc && close (cmp.file[1].desc) != 0)
    { 
      perror_with_name (cmp.file[1].name);
      status = EXIT_TROUBLE;
    }

/* Now the comparison has been done, if no error prevented it, 
   and STATUS is the value this function will return. */

if (status == EXIT_SUCCESS)
{
  if (report_identical_files && !DIR_P (0))
message ("Files %s and %s are identical\n",
file_label[0] ? file_label[0] : cmp.file[0].name,
}
else
{
  /* Flush stdout so that the user sees differences immediately. */
This can hurt performance, unfortunately. */
if (fflush (stdout) != 0)
    pfatal_with_name (_,"standard output");
}

free (free0);
free (free1);

return status;
}

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1.1472 ohc-core-j8 0.4.4

1.1473 eclipse-jdt-core 3.10.0

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DRuntime: Runtime Library for the D Programming Language

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Developed by:

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

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

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

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
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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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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.)
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1.1488 commons-lang3 3.1

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1.1489 python-defaults 2.7.15~rc1-1

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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

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.

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1.1490 txw2 2.3.0
1.1491 musl 1.1.24-r9

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1.1492 caffeine 2.2.6

1.1493 fortify-headers 1.1 r0
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1.1495 heimdal 7.7.0-r1

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AES in libhcrypto

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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>
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DES core in libhcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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Version 3, 29 June 2007
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1.1502 purell 1.1.1

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1.1503 logback-access 1.2.3

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1.1507 jackson-jaxrs-json-provider 2.9.10
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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
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* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1511 base-files 9.9+deb9u12

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Oracle OpenJDK

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org.ow2.asm:asm-commons
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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.9 2020/02/08 13:34:12 tom Exp $

1.1519 yum-metadata-parser 1.1.4 10.el7

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1.1529 py3-ordered-set 4.0.1-r0

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```
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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

Assorted

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1.1544 cpp 7.5.0-3ubuntu1~18.04
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DRuntime: Runtime Library for the D Programming Language

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

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

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Version 3.1, 31 March 2009

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

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bzip2/libbzip2 version 1.0.4 of 20 December 2006
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1.1554 py3-msgpack 1.0.0-r0

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1.1555 go-redis-redis 6.13.2

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========

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# Constant-time SSSE3 AES core implementation.
# version 0.1
#
# By Mike Hamburg (Stanford University), 2009
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#
# For details see https://shiftleft.org/papers/vector_aes/ and
# https://crypto.stanford.edu/vpaes/.

1.1558 py3-colorama 0.4.3-r0

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1.1559 cyrus-sasl 2.1.26-r15

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# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer:
pkgname=spdx-licenses
pkgver=3.1
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
option="!check"
license="unknown"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfta rdftn rdfturtle rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
cd "$builddir"
}

package() {
mkdir -p "$pkgdir"
}

_subpkg() {
local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgname ($type)"
install_if="$pkgname"
mkdir -p "$subpkgdir/"usr/share/spdx
 cp -r "$builddir"/type "$subpkgdir/"usr/share/spdx/
}

list() {
pkgdesc="$pkgname (licence list)"
mkdir -p "$subpkgdir/"usr/share/spdx
local i; for i in $builddir/text/*.txt; do
local license=${i##*/}
echo $license%.* >> "$subpkgdir/"usr/share/spdx/license.lst
done
}

sha512sums="a07a0be891296ce032962aa3f6ea03b1f0e49f5d378b2445d3eb2b7b3a6288695ecea0baec81976c65219a25339d65944db66f1c1278b8d334fe44f0baa90a1574  license-list-data-3.1.tar.gz"
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
 pkgreal=BSD-Resource
 pkgver=1.2911
 pkgrel=0
 pkgdesc="Perl extension implements the BSD process resource limit functions"
 url="http://search.cpan.org/dist/BSD-Resource/"
 arch="all"
 license="GPL PerlArtistic"
 cpandepends=""
 cpanmakedepends=""
 depends="\$cpandepends"
 makedepends="perl-dev \$cpanmakedepends"
 subpackages="$pkgname-doc"
 source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
  default_prepare
  cd "$builddir"
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  cd "$builddir"
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
  make
}

check() {
  cd "$builddir"
  make test
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4f16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>

pkgname=py-flake8-copyright
 pkgreal=flake8-copyright
pkgver=0.2.0
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="${srcdir}/${_pkgname}-${pkgver}

build() {
    cd "$builddir"
    python3 setup.py build || return 1
}

package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="${pkgdir}" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fddde62fccfe2b73  flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfa12abce256b2023c8c4993eeb90  flake8-copyright-0.2.0.tar.gz"

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="/pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="/srcdir/libart_lgpl-$pkgver"

prepare() {
  cd "builddir"
  update_config_sub
  default_prepare
}

build() {
  cd "builddir"
  ./configure \n  --build=$CBUILD \n  --host=$CHOST \n  --prefix=/usr
  make
}

package() {
  cd "builddir"
  make DESTDIR="/pkgdir" install
}
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1.1561 musl 1.1.16-r14

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1.1562 cpio 2.11 27.el7

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@end enumerate

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

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* https://github.com/eclipse-ee4j/jaxrs-api

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1.1585 jersey-apache-connector 2.25.1

1.1586 binutils 2.32.51
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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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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.

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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.)

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e) Verify that the user has already received a copy of these
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For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
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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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distribute.

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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

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Thus, it is not the intent of this section to claim rights or contest
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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

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

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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.

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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

<body id="manual-page" class="no-sidebar">


<p class="apache">Apache HTTP Server Version 2.4</p>

<dir class="up"><a href="./">
</a></dir>

<div class="path">
</div>

<p class="apache">Apache HTTP Server Version 2.4</p>

<dir class="up"><a href="http://www.apache.org/">
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</pre>
</div>
```

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```javascript
(function(w, d) {
    if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
        d.write('<div id="comments_thread">Comments are disabled for this page at the moment.<\/div>');
    } else {
        d.write('<div id="comments_thread">Comments are disabled for this page at the moment.<\/div>');
    }
})(window, document);
```
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
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A. HISTORY OF THE SOFTWARE

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

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
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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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1.1609 shadow 4.5 1ubuntu2

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pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
  cd "$builddir"
  python3 setup.py build || return 1
}

package() {
  cd "$builddir"
  python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73  flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfb12abce256b2023c8c4993eeb90  flake8-copyright-0.2.0.tar.gz"
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
_pkgkreal=BSD-Resource
pkgver=1.2911
pkgrel=0
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpdependss=""
cpnmakedependss=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    default_prepare
    cd "$builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make
}

check() {
    cd "$builddir"
    make test
}

package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4fea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0+
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"
builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
  cd "Builddir"
  update_config_sub
  default_prepare
}

build() {
  cd "Builddir"
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
}

package() {
  cd "Builddir"
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"

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mini_sendmail - accept email on behalf of real sendmail

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pkgname=spdx-licenses
pkgver=3.1
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="unknown"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
  subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$subpkgdir/usr/share/spdx"
  cp -r "$builddir/$type" "$subpkgdir/usr/share/spdx/"
}

list() {
  pkgdesc="$pkgdesc (licence list)"
  mkdir -p "$subpkgdir/usr/share/spdx"
  local i; for i in $builddir/text/*.txt; do
    local license=${i##*/}
    echo "$license%.*" >> "$subpkgdir/usr/share/spdx/license.lst"
  done
}

sha512sums="a07a6be891296ce032962aa3f ea03b1f0e49f5d378b2445d3eb2b7b3a6288695ec ea0baec81976c65219
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Found in path(s):
 * /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
jar/io/netty/handler/codec/ValueConverter.java
 * /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
 * /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
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*/
/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
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 */

/**
 * Enumeration of supported Base64 dialects.
 *
 * The internal lookup tables in this class has been derived from
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 *
 */

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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/CompressionUtil.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/string/LineSeparator.java

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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
[@link LengthFieldBasedFrameDecoder] has many configuration parameters so that it can decode any message with a length field, which is often seen in proprietary client-server protocols. Here are some examples that will give you the basic idea on which option does what.

* 2 bytes length field at offset 0, do not strip header

The value of the length field in this example is 12 (0x0C) which represents the length of "HELLO, WORLD". By default, the decoder assumes that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.

```
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 0 (= do not strip header)
```

BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+

* 2 bytes length field at offset 0, strip header

Because we can get the length of the content by calling [ByteBuf#readableBytes()], you might want to strip the length field by specifying initialBytesToStrip. In this example, we specified 2, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 2 (= the length of the Length field)
```

BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+

* 2 bytes length field at offset 0, do not strip header, the length field represents the length of the whole message
In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by 2, we specify lengthAdjustment=2 for compensation.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = -2 (= the length of the Length field)
initialBytesToStrip = 0
```

BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+

The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

```
lengthFieldOffset = 2 (= the length of Header 1)
lengthFieldLength = 3
lengthAdjustment = 0
initialBytesToStrip = 0
```

BEFORE DECODE (17 bytes)         AFTER DECODE (17 bytes)
+----------+----------+----------------+      +----------+----------+----------------+
| Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
| 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
+----------+----------+----------------+      +----------+----------+----------------+

This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive lengthAdjustment so that the decoder counts the extra header into the frame length calculation.

```
lengthFieldOffset = 0
```
* lengthFieldLength   = 3
* <b>lengthAdjustment</b> = 2 (the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                       AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* lengthFieldOffset   = 1 (the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b> = 1 (the length of HDR2)
* <b>initialBytesToStrip</b> = 3 (the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +-------+--------+-------+----------------+      +-------+----------------+
* | HDR1   | Length  | HDR2  | Actual Content |----->| HDR2   | Actual Content |
* | 0xCAE  | 0x000C  | 0xFE  | "HELLO, WORLD" |      | 0xFE   | "HELLO, WORLD" |
* +-------+--------+-------+----------------+      +-------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the <tt>lengthFieldOffset</tt> and the extra header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero <tt>initialBytesToStrip</tt> to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b> = 1 (= the length of HDR2)
* <b>initialBytesToStrip</b> = 3 (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +-------+--------+-------+----------------+      +-------+----------------+
* | HDR1   | Length  | HDR2  | Actual Content |----->| HDR2   | Actual Content |
* | 0xCAE  | 0x000C  | 0xFE  | "HELLO, WORLD" |      | 0xFE   | "HELLO, WORLD" |
* +-------+--------+-------+----------------+      +-------+----------------+
* </pre>
*
* Let's give another twist to the previous example. The only difference from the previous example is that the length field represents the length of the whole message instead of the message body, just like the third example. We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>. Please note that we don't need to take the length of HDR2 into account because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   = 1
* lengthFieldLength   = 2
* <b>lengthAdjustment</b> = 3 (= the length of HDR1 + LEN, negative)
```java
* `<b>initialBytesToStrip</b>` = `<b>3</b>`
*
* BEFORE DECODE (16 bytes) | AFTER DECODE (13 bytes)
* +-----------------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------+-----------------+
* </pre>
* @see LengthFieldPrepender
*/

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* `/opt/ws_local/PERMITS_SQL/1068271428_1594399474.09/0/netty-codec-4-1-45-final-sources-1.jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java`
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* `/opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java`
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1.1614 expat 2.2.0 2+deb9u3

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

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

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.

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

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

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

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.
Format: http://dep.debian.net/deps/dep5
Upstream-Name: libnetfilter-cttimeout

Files: *
Copyright: 2012 Pablo Neira Ayuso <pablo@netfilter.org>
License: GPL-2.0+
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On Debian systems, the complete text of the GNU General
Public License version 2 can be found in "/usr/share/common-licenses/GPL-2".

1.1616 jnr-x86asm 1.0.2
1.1616.1 Available under license :
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/CodeBuffer.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/jnr/x86asm/HINT.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/jnr/x86asm/SEGMENT.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/ERROR_CODE.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/jnr/x86asm/X87Register.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/jnr/x86asm/CONDITION.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/BaseReg.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/ERROR_CODE.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/X87Register.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/CONDITION.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/BaseReg.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/ERROR_CODE.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/X87Register.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/CONDITION.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/BaseReg.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/ERROR_CODE.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/X87Register.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/CONDITION.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/BaseReg.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/ERROR_CODE.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/X87Register.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/CONDITION.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources-jar/com/kenai/jnr/x86asm/BaseReg.java

jar/com/kenai/jnr/x86asm/PROPERTY.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/CpuInfo.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/MMRegister.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/OperandFlags.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/REG.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/Logger.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/InstructionDescription.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/SEGMENT.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/Label.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/Register.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/PROPERTY.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/RID.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/Immediate.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/OP.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/SerializerCore.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/jnr/x86asm/Assembler.java
* /opt/ws_local/PERMITS_SQL/1018366272_1591372384.79/0/jnr-x86asm-1-0-2-sources.jar/com/kenai/jnr/x86asm/MMRegister.java

1.1617 libxmu 1.1.2-2

1.1617.1 Available under license:

No license file was found, but licenses were detected in source scan.

--- libxmu-1.1.2.orig/autogen.sh
+++ libxmu-1.1.2/autogen.sh
@@ -0,0 +1,14 @@
+#!/bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=.
+
Open Source Used In cnBR 20.3-09142020 16797
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+  $srcdir/configure "$@
+fi

--- libxmu-1.1.2.orig/debian/changelog
+++ libxmu-1.1.2/debian/changelog
@@ -0,0 +1,219 @@
+libxmu (2:1.1.2-2) unstable; urgency=medium
+
+  [ Andreas Boll ]
+  * Switch to dh with the autoreconf and quilt addons, fixing possible FTBFS
+    when building in parallel (closes: #801059). Thanks, Matthias Klose!
+
+  [ Julien Cristau ]
+  * Remove Cyril from Uploaders.
+  * Bump Standards-Version to 3.9.6, update Vcs-* control fields.
+
+  -- Julien Cristau <jcristau@debian.org> Sat, 14 Nov 2015 10:04:44 +0100
+
+  +libxmu (2:1.1.2-1) unstable; urgency=low
+
+  * New upstream release.
+  * Add ${misc:Depends} to libxmu-headers.
+  * Use /usr/share/quilt/quilt.make instead of xsfbs for patching.
+  * Add build-{arch,indep} debian/rules targets.
+  * Bump debhelper compat level from 5 to 7.
+
+  -- Julien Cristau <jcristau@debian.org> Mon, 05 May 2014 14:13:01 +0200
+
+  libxmu (2:1.1.1-1) unstable; urgency=low
+
+  * New upstream release.
+  * Don't require (fake)root for debian/rules clean.
+  * Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools per
+    configure.ac.
+  * Xmu.html no longer hardcodes the full path to xlogo.svg, drop sed call
+    from debian/rules.
+  * Remove David Nusinow from Uploaders.
+  * Bump debhelper build-dep for ${misc:Pre-Depends} usage.
+
+  -- Julien Cristau <jcristau@debian.org> Sat, 21 Apr 2012 10:50:11 +0200
+
+  +libxmu (2:1.1.0-3) unstable; urgency=low
* Build for multiarch.

-- Steve Langasek <vorlon@debian.org> Fri, 21 Oct 2011 14:47:59 -0700

libxmu (2:1.1.0-2) unstable; urgency=low

[ Christopher James Halse Rogers ]
* debian/patches/01_dont_export_private_deps.patch:
  - The Xmu.h header uses libXt symbols in a #define, so libXt is not a
    private dep. With binutils-gold, the indirect dependency on Xt is not
    considered when linking with Xmu so this causes build failures.

[ Julien Cristau ]
* Drop Pre-Depends on x11-common, only needed for upgrades from the
  monolith.

-- Julien Cristau <jcristau@debian.org> Thu, 28 Apr 2011 14:10:11 +0200

libxmu (2:1.1.0-1) unstable; urgency=low

* New upstream release.
* Bump xutils-dev build-dep for new macros.
* Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.
* Pass --with-xmlto and --without-fop (we want html and txt only).
* Pass --docdir=/usr/share/doc/libxmu-headers and add this directory to
  libxmu-headers.install file.
* Remove the hardcoded path to the X logo in the Xmu.html file.
* Kill *.xml in the doc directory, no point in shipping them.
* Switch from --list-missing to --fail-missing for additional safety.

-- Cyril Brulebois <kibi@debian.org> Fri, 19 Nov 2010 08:42:29 +0100

libxmu (2:1.0.5-2) unstable; urgency=high

[ Julien Cristau ]
* Rename the build directory to not include DEB_BUILD_GNU_TYPE for no
  good reason. Thanks, Colin Watson!
* Remove myself from Uploading.
* Don't pass both -s and -Nfoo/-pfoo to dh_strip. This resulted in an empty
  libxmuu1-dbg (Closes: #594500). Thanks to Luca Falavigna for the report.

[ Cyril Brulebois ]
* Add myself to Uploading.
* Bump urgency to high for the RC bugfix. Thanks to Jakub Wilk as well
  for the report.

-- Cyril Brulebois <kibi@debian.org> Sat, 04 Sep 2010 14:32:30 +0200
+ libxmu (2:1.0.5-1) unstable; urgency=low
+ [ Timo Aaltonen ]
+ * New upstream release.
+ * Fix 64bit support (closes: #521887)
+ [ Julien Cristau ]
+ * Bump Standards-Version to 3.8.3.
+ -- Julien Cristau <jcristau@debian.org>  Wed, 25 Nov 2009 19:20:17 +0100
+
+ libxmu (2:1.0.4-2) unstable; urgency=low
+
+ [ Julien Cristau ]
+ * Drop -1 debian revisions from build-deps.
+ * libxmu6{,-dbg}, libxmu-dev, libxmuu1{,-dbg} and libxmuu-dev don't need a
+   dependency on x11-common.
+ * Build libxmu_headers in binary-indep instead of binary-arch
+   (closes: #486418). Thanks, Martin Koeppel!
+ * Run autoreconf on build; build-depend on automake, libtool, xutils-dev.
+ * Handle parallel builds.
+ [ Brice Goglin ]
+ * Add a link to www.X.org and a reference to the upstream module
+   in the long description.
+ * Add upstream URL to debian/copyright.
+ * Add README.source, bump Standards-Version to 3.8.2.
+ * Use updated xsfbs, closes: #538587.
+ * Move -dbg packages to section debug.
+ -- Julien Cristau <jcristau@debian.org>  Fri, 07 Aug 2009 14:30:36 +0200
+
+ libxmu (2:1.0.4-1) unstable; urgency=low
+
+ [ Julien Cristau ]
+ * New upstream release.
+ * Make libxmu*-dev depend on libxmu_headers (= ${source:Version}). Thanks,
+   Josh Triplett.
+ * Don't export private dependencies in xmu.pc and xmuu.pc. These
+   dependencies are handled by Requires.private.
+ * Due to the above, build-depend on quilt and apply the xsfbs patch rules.
+ * Update xsfbs to the latest version as of 2008-01-06.
+ * Add myself to Uploaders, and remove Branden and Fabio with their
+   permission.
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * s/^XS-Vcs/Vcs/
+ [ Timo Aaltonen ]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.
+
+ -- Julien Cristau <jcristau@debian.org>  Thu, 17 Jan 2008 14:57:47 +0100
+
+libxmu (1:1.0.3-1) unstable; urgency=low
+
+ * New upstream release.
+ * Install the upstream changelog.
+ * Remove outdated CVS information from the package descriptions, and add
+   XS-Vcs-Git and XS-Vcs-Browser.
+ * Fix package sections (libraries in libs, development stuff in libdevel).
+ * Use ${binary:Version} instead of ${Source-Version}.
+
+ -- Julien Cristau <jcristau@debian.org>  Thu, 12 Apr 2007 13:40:07 +0200
+
+libxmu (1:1.0.2-2) unstable; urgency=low
+
+ [ Andres Salomon ]
+ * Test for obj-$(DEB_BUILD_GNU_TYPE) before creating it during build;
+   idempotency fix.
+
+ [ Drew Parsons ]
+ * dbg package has priority extra.
+
+ -- David Nusinow <dnusinow@debian.org>  Wed, 30 Aug 2006 16:53:25 -0400
+
+libxmu (1:1.0.2-1) experimental; urgency=low
+
+ * New upstream release
+ * Bump debhelper compat to 5
+ * Run dh_install with --list-missing
+ * Version the -headers package's x11-common pre-dep to use version 1:7.0.0
+   to match the rest of Debian and shut lintian up
+ * Bump standards version to 3.7.2.0
+
+ -- David Nusinow <dnusinow@debian.org>  Mon,  3 Jul 2006 18:43:32 -0400
+
+libxmu (1:1.0.1-3) unstable; urgency=low
+
+ * Reorder makeshlib command in rules file so that ldconfig is run
+   properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org>  Tue, 18 Apr 2006 21:49:59 -0400
+
+libxmu (1:1.0.1-2) unstable; urgency=low
+
+ * Upload to unstable
libxmu (1:1.0.1-1) experimental; urgency=low

* First upload to Debian

libxmu (1:6.2.3-5) breezy; urgency=low

* Also, libxmu-dev needs to depend on libxt-dev too.

libxmu (1:6.2.3-4) breezy; urgency=low

* Bump libxt-dev build-dep once more, _XOPEN_SOURCE begone!

libxmu (1:6.2.3-3) breezy; urgency=low

* Make libxmu-dev depend on libxext-dev, since libxmu links to it.

libxmu (1:6.2.3-2) breezy; urgency=low

* Bump Build-Depends on libx11-dev, libxext-dev and libxt-dev to avoid _XOPEN_SOURCE.

libxmu (1:6.2.3-1) breezy; urgency=low

* First libxmu release.

--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
9
--- libxmu-1.1.2.orig/debian/control
+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+  debhelper (>= 9),
+  dh-autoreconf,
+  libx11-dev (>= 1:0.99.2),
+  libxt-dev (>= 1:0.99.1),
+  libxext-dev (>= 1:0.99.1),
+  pkg-config,
+  quilt,
+  automake,
+  libtool,
+  xutils-dev (>= 1:7.6+2),
+  xmlto (>= 0.0.22),
+  xorg-sgml-doctools (>= 1:1.8),
+  w3m,
+Standards-Version: 3.9.6
+Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git

Package: libxmu6
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends}, ${misc:Depends}
+Description: X11 miscellaneous utility library
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+.
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+.
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu6-dbg
+Section: debug
+Architecture: any
+Multi-Arch: same
+Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmu6 (= ${binary:Version})
+Description: X11 miscellaneous utility library (debug package)
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
This package contains the debug versions of the library found in libxmu6.
Non-developers likely have little use for this package.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmu-dev
Section: libdevel
Architecture: any
Multi-Arch: same
Depends: ${shlibs:Depends}, ${misc:Depends}, libxext-dev, libxt-dev, libxmu6 (= ${binary:Version}), libxmu-headers (= ${source:Version})
Description: X11 miscellaneous utility library (development headers)
libXmu provides a set of miscellaneous utility convenience functions for X
libraries to use. libXmuu is a lighter-weight version that does not depend
on libXt or libXext; for more information, see libxmuu1.

This package contains the development headers for the library found in
libxmu6. Non-developers likely have little use for this package.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmuu1
Section: libs
Architecture: any
Multi-Arch: same
Pre-Depends: ${misc:Pre-Depends}
Depends: ${shlibs:Depends}, ${misc:Depends}
Description: X11 miscellaneous micro-utility library
libXmuu provides a set of miscellaneous utility convenience functions for X
libraries to use. It is a lighter version of libXmu that does not depend
on libXt or libXext; for more information on libXmu, see libxmu6.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmuu1 dbg
+Section: debug
+Architecture: any
+Multi-Arch: same
+Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version})
+Description: X11 miscellaneous micro-utility library (debug package)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+.
+ This package contains the debug versions of the library found in libxmuu1.
+ Non-developers likely have little use for this package.
+.
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+.
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmuu-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version}), libxmuu-headers (= ${source:Version})
+Description: X11 miscellaneous micro-utility library (development headers)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+.
+ This package contains the development headers for the library found in
+ libxmuu1. Non-developers likely have little use for this package.
+.
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+.
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmuu-headers
+Section: libdevel
+Architecture: all
+Multi-Arch: foreign
+Depends:
+ libx11-dev,
+ x11proto-core-dev,
+ ${misc:Depends},
+Description: X11 miscellaneous utility library headers
+ libXmu and libXmuu are miscellaneous utility libraries for X library
+ developers to abstract some common functions. This package provides the
+ headers for both libraries (as libXmuu is a subset of libXmu), and
+ is depended upon by both. For more information, please see libxmu-dev or
+ libxmuu-dev.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
--- libxmu-1.1.2.orig/debian/copyright
+++ libxmu-1.1.2/debian/copyright
@@ -0,0 +1,77 @@
+This package was downloaded from
+http://xorg.freedesktop.org/releases/individual/lib/
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+
+--------
+
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--- libxmu-1.1.2.orig/debian/libxmu-dev.install 
+++ libxmu-1.1.2/debian/libxmu-dev.install 
@@ -0,0 +1,3 @@ 
+usr/lib/*/libXmu.a 
+usr/lib/*/libXmu.so
+usr/lib/*/pkgconfig/xmu.pc
--- libxmu-1.1.2.orig/debian/libxmu-headers.install
+++ libxmu-1.1.2/debian/libxmu-headers.install
@@ -0,0 +1,2 @@
+-usr/include/X11/*
+-usr/share/doc/libxmu-headers
--- libxmu-1.1.2.orig/debian/libxmu6.install
+++ libxmu-1.1.2/debian/libxmu6.install
@@ -0,0 +1 @@
+-usr/lib/*/libXmu.so.6*
--- libxmu-1.1.2.orig/debian/libxmuu-dev.install
+++ libxmu-1.1.2/debian/libxmuu-dev.install
@@ -0,0 +1,3 @@
+-usr/lib/*/libXmuu.a
+-usr/lib/*/libXmuu.so
+-usr/lib/*/pkgconfig/xmuu.pc
--- libxmu-1.1.2.orig/debian/libxmuu1.install
+++ libxmu-1.1.2/debian/libxmuu1.install
@@ -0,0 +1 @@
--- libxmu-1.1.2.orig/debian/patches/01_dont_export_private_deps.diff
+++ libxmu-1.1.2/debian/patches/01_dont_export_private_deps.diff
@@ -0,0 +1,26 @@
+diff --git a/xmu.pc.in b/xmu.pc.in
+index a086f83..15dabbf 100644
+--- a/xmu.pc.in
++++ b/xmu.pc.in
+@@ -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmu
+ Description: Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11 xt
++Requires: xproto xt
+ Requires.private: x11 xt xext
+ Cflags: -I$[includedir]
+ Libs: -L$[libdir] -lXmu
+diff --git a/xmuu.pc.in b/xmuu.pc.in
+index 1e91ac4..72fa5f9 100644
+--- a/xmuu.pc.in
++++ b/xmuu.pc.in
+@@ -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmuu
+ Description: Mini Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11
++Requires: xproto
+ Requires.private: x11
+ Cflags: -I$[includedir]
1.1618 musl 1.1.16-r9

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1.1619 btree 1.0.0
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1.1620 giflib 5.1.4

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1.1621 nettle 3.5.1-r1

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1.1623 concurrent-trees 2.4.0
1.1624 slf4j-log4j 1.6.1

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1.1625 py3-contextlib 0.6.0-r0

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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.
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</tr>
</tbody>
</table>

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1.1626 mgo r2018.06.15
1.1626.1 Available under license:
mgo - MongoDB driver for Go

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BSON library for Go

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1.1627 cracklib 2.9.2-5build1
1.1627.1 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
On Monday 01 October 2007, Neulinger, Nathan wrote:

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

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isn't 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
>

Open Source Used In cnBR 20.3-09142020 16870
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
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> > > it was enough to just get it consistent and documented as to what
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> > >=20
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> > 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 I91Gxtr020623
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] (helio=192.168.1.3)
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 11cOcX-00004Qt-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>
<Message id: 117A1264-F6DC-4E25-B0DD-56FBEFBE6E9F@crypticide.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
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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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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

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

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

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

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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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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".)

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root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of
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If distribution of object code is made by offering access to copy
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5. A program that contains no derivative of any portion of the
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work, in isolation, is not a derivative work of the Library, and
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However, linking a "work that uses the Library" with the Library
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When a "work that uses the Library" uses material from a header file
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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
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Library will still fall under Section 6.)

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

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1.1645 py3-pytoml 0.1.21-r0

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1.1649 jackson 2.9.10

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1.1650 nspr 4.27-r0

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